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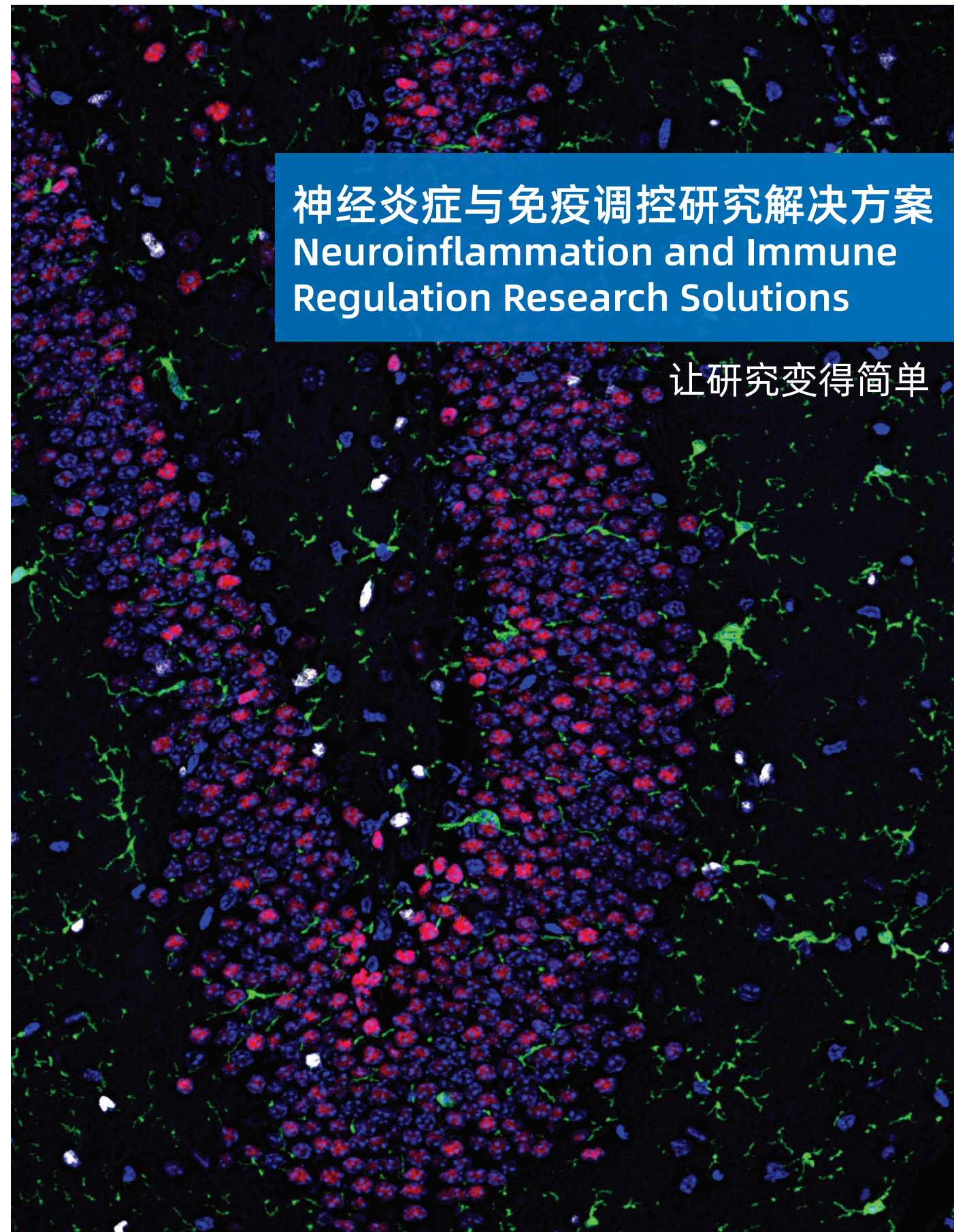
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神经炎症与免疫调控研究解决方案
Neuroinflammation and Immune
Regulation Research Solutions

让研究变得简单

 华安生物
H U A B I O

神经炎症是中枢神经系统（CNS）中免疫系统激活引起的一系列反应，涉及小胶质细胞、星形胶质细胞等多种免疫细胞。它在神经退行性疾病（如阿尔茨海默病、帕金森病）、抑郁症、脑损伤等疾病中发挥关键作用。近年来，神经炎症与免疫调控的机制研究已经成为神经科研的热门领域，有望为开发新型治疗策略提供重要方向。

华安生物致力于为神经炎症与免疫调控研究提供高质量的产品和技术支持，助力科学家探索这一领域的未知奥秘。

产品技术优势



高特异性抗体，覆盖热门的神经科学靶标（神经标志物及神经退行性疾病等）。



针对复杂实验场景的应用验证，包含冰冻切片免疫组化（IHC-Fr）及多重免疫组化（mIHC）等。



全面的配套试剂支持，提供神经免疫研究过程中靶点定量相关的高特异性，高灵敏度的配对抗体及ELISA检测试剂盒。



专业的客户支持与服务，为客户提供实验方案优化建议，确保抗体在IHC-Fr，mIHC等复杂实验的最佳表现。

神经免疫研究的前沿领域与解决方案

神经免疫研究是神经科学领域的前沿方向，我们将持续为全球科研工作者提供高质量的产品和服务，助力揭示神经免疫的复杂机制，推动神经退行性疾病、神经炎症及精神疾病的治疗突破。

免疫应答信号与神经退行性疾病研究

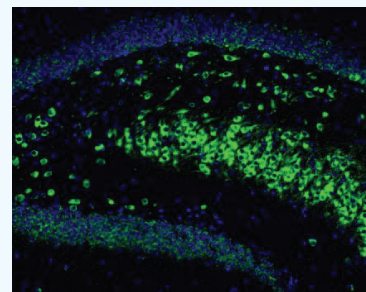
靶点：Tau、Aβ、α-Synuclein、NeuN、GFAP、cGAS - STING

神经退行性疾病是一类以神经元结构和功能进行性丧失为特征的疾病，包括阿尔茨海默病（AD）、帕金森病（PD）、肌萎缩侧索硬化症（ALS）、亨廷顿病（HD）等，这些疾病的研究和诊断依赖于多种生物标志物。抗体产品在神经退行性疾病标志物的研究中扮演着至关重要的角色，主要用于检测、定量和分析与疾病相关的蛋白质、基因表达和病理变化。

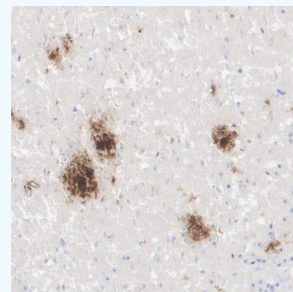
目录

CONTENTS

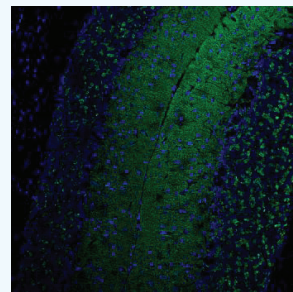
1. 神经炎症与免疫调控的研究意义	01
2. 产品技术优势	01
3.神经免疫研究的前沿领域与解决方案	01-24
3.1 免疫应答信号与神经退行性疾病研究	01-08
3.2 神经炎症与免疫调控研究	09-10
3.3 肠-脑轴炎症信号与免疫调控研究	10-16
3.4 免疫检查点与神经免疫逃逸研究	17-24



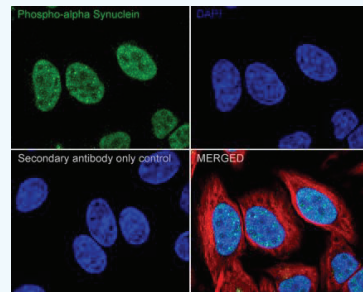
使用Phospho-Tau (T231) 兔单抗 (Catalog# ET1610-31, 绿色) 对小鼠海马组织进行 IHC-Fr 分析。



使用beta Amyloid 1-42兔单抗 (Catalog# HA721789) 对6周龄 APP/PS1小鼠脑组织进行 IHC-P 分析。

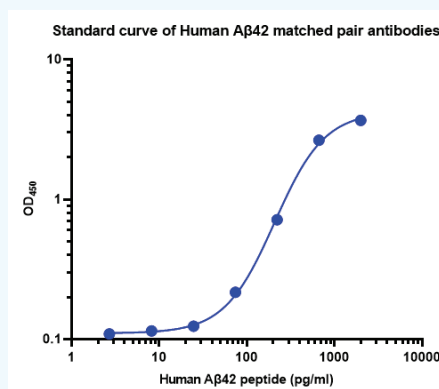


使用Alpha-Synuclein 兔单抗 (Catalog# HA723035, 绿色) 对大鼠脑组织进行 IHC-Fr 分析。



使用Phospho-alpha Synuclein (S129) 兔单抗 (Catalog# ET7107-30, 绿色) 对HeLa细胞进行 IF-Cell 分析。肌动蛋白丝用 Beta tubulin 标记 (M1305-2, 红色)。

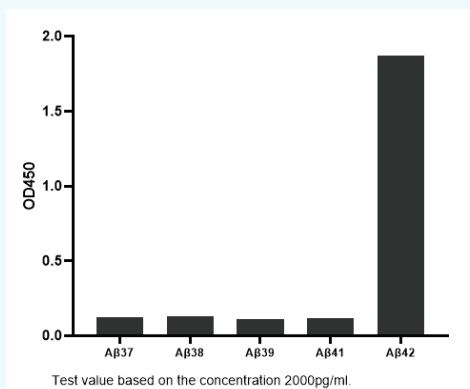
此外，配对抗体具有高灵敏度和定量检测的特征，通过标记神经退行性疾病的标记物，可以动态监测疾病的进程及预后，并且能提供准确数值，逐渐成为神经科研领域强有力的研究工具。



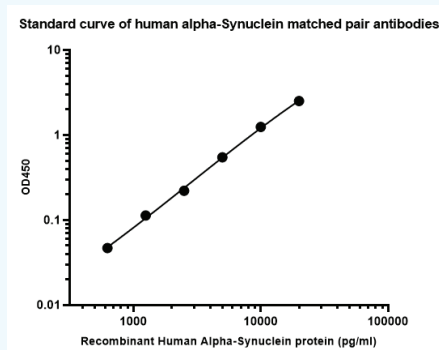
beta Amyloid 1-42配对抗体 (Capture: HA722079; Detector: HA722080)

左图: beta Amyloid 1-42配对抗体的检测线性范围为24.7-2000 pg/ml。最低检测限为24.7 pg/ml;

右图: beta Amyloid 1-42配对抗体只能特异性识别Aβ42蛋白，而对Aβ37, Aβ38, Aβ39, Aβ41无识别作用。



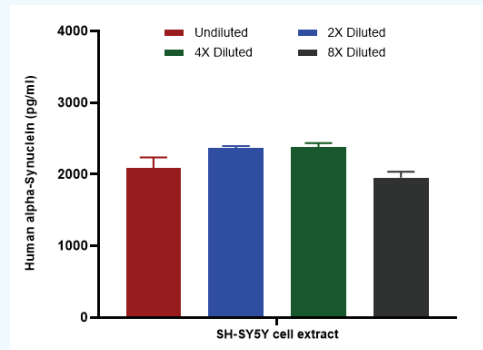
Test value based on the concentration 2000pg/ml.



人源Alpha-Synuclein配对抗体 (Capture: HA723467; Detector: HA723468)

左图: Human Alpha-Synuclein配对抗体的检测线性范围为313-20,000 pg/ml。最低检测限为313 pg/ml;

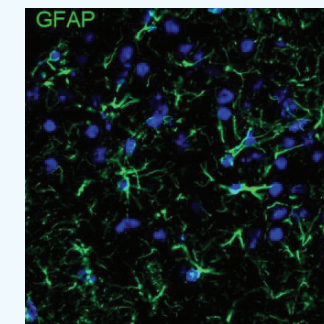
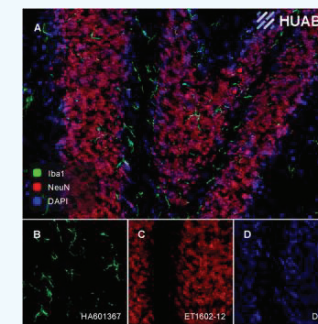
右图: 在不同稀释比例的SH-SY5Y细胞提取物中，对人源Alpha-Synuclein配对抗体进行回收率分析，确保回收系数在80-120 %。



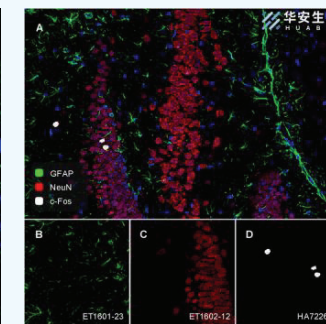
在神经退行性疾病的进程中，神经元和神经胶质细胞通过监测突触稳态及死亡神经细胞的清除，共同发挥免疫调控作用。通常，NeuN的表达下降，说明神经元发生炎症反应；GFAP表达升高表明星形胶质细胞被激活，说明存在炎症反应。



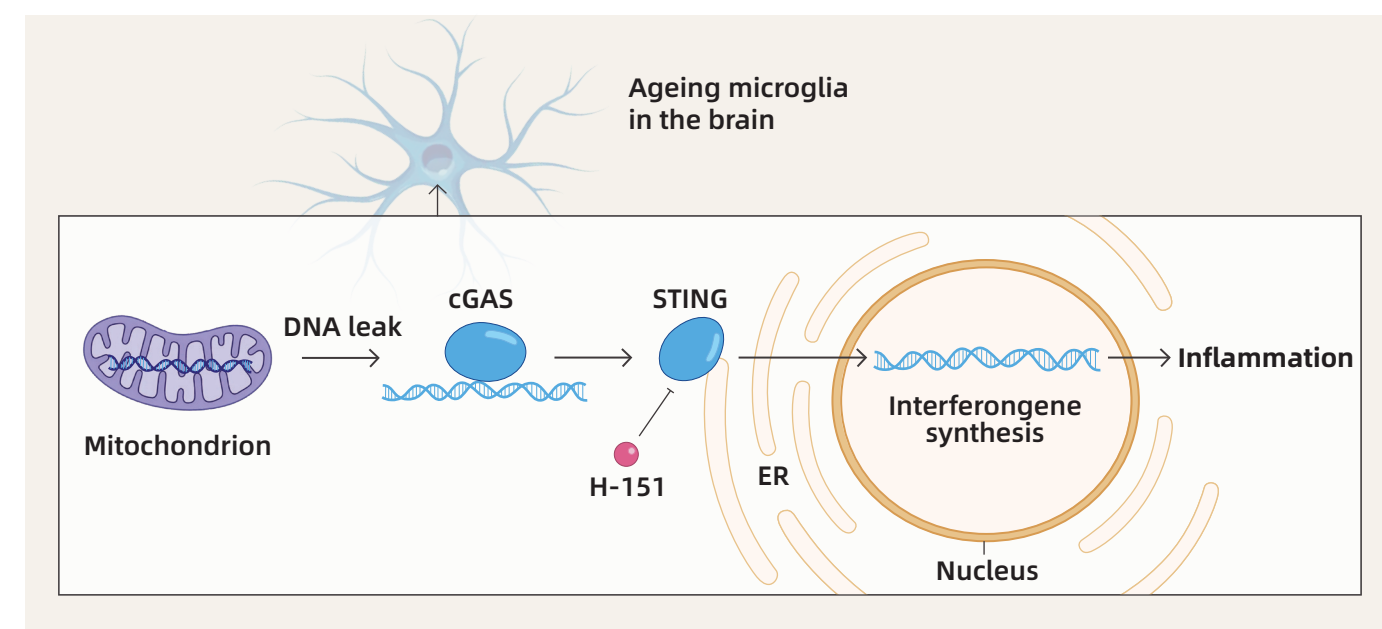
使用NeuN兔单抗 (Catalog# ET1602-12) 分别对小鼠小脑组织进行 IHC-P 分析 (左图)，及小鼠脑组织进行 IHC-Fr 分析 (红色)。小胶质细胞用Iba1标记 (绿色, Catalog# HA601367)。



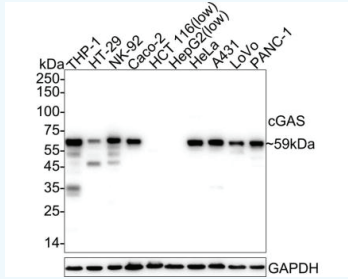
使用GFAP兔单抗 (Catalog# ET1601-23) 分别对小鼠皮层组织进行 IHC-Fr 分析 (左图, 绿色)，及小鼠海马组织进行 mIHC 分析 (绿色)。神经元用NeuN标记 (红色, Catalog# ET1602-12)，神经元激活用c-Fos标记 (白色, Catalog# HA722666)。



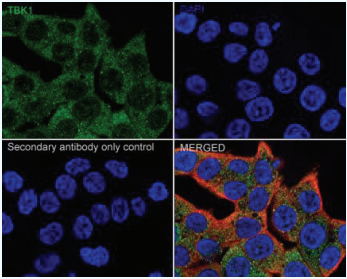
cGAS-STING信号通路是一条重要的细胞免疫反应信号通路，在神经系统中，cGAS能够识别mtDNA并转化为环状GMP-AMP，从而激活STING，启动一系列下游反应。在阿尔茨海默病和帕金森病等慢性神经退行性疾病中，cGAS-STING信号通路与神经炎症之间密切相关。



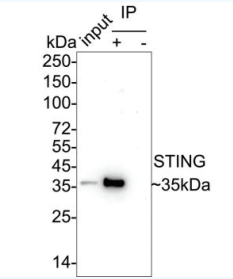
cGAS-STING信号通路在神经系统中的免疫调控作用



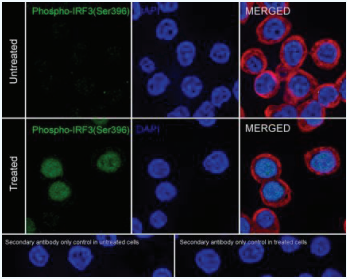
使用cGAS兔单抗 (Catalog# HA722736) 对不同类型裂解液进行 WB 分析。



使用TBK1兔单抗 (Catalog# HA723365, 绿色) 对HCT 116细胞进行 IF-Cell 分析。肌动蛋白丝用Beta tubulin标记 (Catalog# HA601187, 红色)。



使用STING兔单抗 (Catalog# ET1705-68) 对THP-1细胞裂解液进行 IP 分析。



使用Phospho-IRF3 (S386) 兔单抗 (HA722772, 绿色) 对Poly (I:C) 处理 (2.5μg/mL, 6h) 后的HT-29细胞进行 IF-Cell 分析。肌动蛋白丝用Beta tubulin标记 (Catalog# M1305-2, 红色)。

优质抗体推荐

一抗产品				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
ADAM17	ET1703-06	H,Ms,R,Cmk,P	WB,IF-Cell,IF-Tissue,FC,IP,IHC-Fr,IHC-P	Rabbit mAb
AIM2	HA500270	H	WB,IF-Cell,FC	Rabbit pAb
ALDH1A1	EM1801-07	H,R,Ms	WB,IHC-P,IF-Cell,FC,IHC-Fr	Mouse mAb
ALDH1A1	ET1605-24	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IP	Rabbit mAb
Phospho-alpha Synuclein (S129)	ET7107-30	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC	Rabbit mAb
Alpha-Synuclein	HA723035	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
Apolipoprotein E	HA601391	Ms,R	IHC-Fr,IHC-P,WB	Rat mAb
Apolipoprotein E	HA723216	Ms,R	WB,IHC-Fr,IHC-P	Rabbit mAb
APP/β-Amyloid	HA722139	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
Arc / Arg3.1	HA723231	Ms,R,Cmk,P	WB,IHC-P,IHC-Fr	Rabbit mAb
ASPA	HA722941	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr	Rabbit mAb
ATP13A2	HA722741	H,Ms,R,Cmk	WB,IHC-P,IHC-Fr	Rabbit mAb
BDNF	ER130915	H,Ms,R	WB,IF-Cell,IHC-P	Rabbit pAb
BDNF	ET1606-42	H,Ms,R,Z	WB,IF-Cell,FC	Rabbit mAb
BDNF	HA722912	H,Ms,R,Cmk,P	WB,IF-Cell,IHC-P,IHC-Fr,FC	Rabbit mAb
beta Amyloid	HA722962	H,Ms	WB,IHC-P,IF-Tissue,Dot Blot	Rabbit mAb
beta Amyloid 1-40	HA722485	H,Ms	WB,IHC-P,IF-Tissue	Rabbit mAb
beta Amyloid 1-42	HA721789	H,Ms,Cmk,P	WB,IHC-P,IF-Tissue	Rabbit mAb
Delta-catenin	HA722438	H,Ms,R,Cmk,P	WB,IHC-P,IP,IHC-Fr	Rabbit mAb

一抗产品				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
DNAJC6	HA722929	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
Dystrophin	ET1702-98	H,Ms,R	WB,IHC-P,IHC-Fr	Rabbit mAb
Gasdermin D (N terminal)	ER1901-37	H,Ms,R	WB,IHC-P,FC,IF-Cell	Rabbit pAb
Gasdermin D (N terminal)	HA721144	H,Ms,R	WB,IHC-P,IF-Cell	Rabbit mAb
GFAP	EM140707	H,R	WB,IHC-P,IF-Tissue,IHC-Fr	Mouse mAb
GFAP	ET1601-23	H,Ms,R,Cmk,P	WB,IHC-P,IF-Tissue,IHC-Fr,mIHC,IP	Rabbit mAb
GFAP	IRS069	Ms	mIHC	Rabbit mAb
Glutamine Synthetase	EM1902-39	H,Ms,R	WB,IHC-P,FC,mIHC,IF-Tissue	Mouse mAb
Glutamine Synthetase	HA601428	H,Ms,R	IHC-Fr,WB	Rat mAb
Glutamine Synthetase	HA723212	H,Ms,R,Cmk,P	WB,IHC-Fr	Rabbit mAb
Glutamine Synthetase	IRS033	H	mIHC	Mouse mAb
Grp75	EM1701-23	H,Ms,R	WB	Mouse mAb
Grp75	M1603-1	H,Ms,R	WB,IF-Cell,FC	Mouse mAb
GSDMD	HA601046	H,Ms	WB	Mouse mAb
GSDMD	HA601047	H	WB	Mouse mAb
Heme Oxygenase 1 (HO-1)	ER1802-73	H,Ms	WB,IF-Cell,IHC-P,FC	Rabbit pAb
Heme Oxygenase 1 (HO-1)	ET1604-45	H	WB,IHC-P,IP,FC,IF-Tissue	Rabbit mAb
LRP1	ET1601-1	H,Ms,R	WB,IF-Tissue,IHC-P,IP,IHC-Fr	Rabbit mAb
LRRK2	HA722932	H,Ms,R,Cmk,P	IHC-P,IF-Tissue,IHC-Fr	Rabbit mAb
MLKL	ET1601-25	H,Ms	WB,IHC-P,IF-Cell,FC	Rabbit mAb
Phospho-MLKL (S345)	ET1705-51	Ms	WB,IHC-P,IHC-Fr	Rabbit mAb
NDRG1	ET1705-20	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP	Rabbit mAb
NF-M	ET1703-57	H,Ms,R,Cmk	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
NF-M	HA601408	H,Ms,R,Cmk	IHC-Fr,IHC-P,WB	Rat mAb
NeuN	ET1602-12	H,Ms,R,Cmk,P	WB,IF-Cell,IF-Tissue,IHC-P,FC,IHC-Fr,mIHC	Rabbit mAb
NeuN	HA601111	H,Ms,R	WB,IF-Tissue,IHC-P,IHC-Fr	Mouse mAb
NeuN	HA601397	H,Ms,R,Cmk,P	IHC-Fr,IHC-P	Rat mAb
NF-H	ET1702-72	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
NF-kB p65	ET1603-12	H,Ms,R,Z	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Rabbit mAb
Phospho-NF-kB p65 (S529)	ET1604-27	H	WB,IHC-P,FC,IP	Rabbit mAb
NF-L	HA601409	H,Ms,R,Cmk,P	IHC-Fr,IHC-P,WB	Rat mAb
NF-L	HA721538	H,Ms,R,Cmk,P	WB,IHC-P,IF-Cell,IF-Tissue,IHC-Fr	Rabbit mAb

一抗产品				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
NLRP3	ET1610-93	H,Ms,R	WB,IF-Cell,IHC-P,FC	Rabbit mAb
NMDAR2B	HA722284	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr	Rabbit mAb
nNOS	ET1609-61	H,Ms,R,Cmk,P	WB,IF-Tissue,IHC-P,IP	Rabbit mAb
nNOS	R1510-28	H,Ms,R	WB,IF-Cell,IHC-P,FC,IHC-Fr	Rabbit pAb
PARK7/DJ1	ET1611-45	H,Ms,R,Cmk,P	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Rabbit mAb
Parkin	ET1702-60	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Rabbit mAb
Parkin	HA722952	H,Ms,R,Mk,Cmk,P	WB,IHC-P,IF-Tissue,IF-Cell,FC,IP,IHC-Fr	Rabbit mAb
PEN2	ET7109-26	H,Ms,R	WB,IF-Cell,IHC-P,FC,IHC-Fr,IF-Tissue	Rabbit mAb
Peroxiredoxin 2	ET1701-61	H,Ms,R	WB,IF-Tissue,IHC-P	Rabbit mAb
PGP9.5	ET1703-22	H,Ms,R,Cmk,P	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC,IHC-Fr	Rabbit mAb
PINK1	HA723021	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr	Rabbit mAb
Presenilin 1 / PS-1	HA500219	H,Ms,R	WB,IF-Cell,IHC-P,FC,IHC-Fr,IF-Tissue	Rabbit pAb
Presenilin 1 / PS-1	HA722995	H,Ms,R,Cmk,P	IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
Pro Caspase-3	ER30804	H,Ms	WB,IF-Cell,IHC-P,FC,IHC-Fr	Rabbit pAb
Pro Caspase-3	ET1602-39	H,Mk	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Rabbit mAb
Stathmin 1	ET1609-20	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue	Rabbit mAb
Tau	ET1603-2	H,Ms,R	WB,IHC-P,IP,IHC-Fr	Rabbit mAb
Phospho-Tau (T231)	ET1610-31	H,Ms,R,Cmk,P	WB,IHC-P,IP,IF-Tissue,IHC-Fr	Rabbit mAb
Phospho-Tau (S396)	ET1611-68	Ms,R,Cmk,P	WB,IF-Cell,IF-Tissue,IHC-P,IHC-Fr	Rabbit mAb
Tau	ET1612-44	H,Ms,R,Cmk,P	WB,IF-Cell,IF-Tissue,IHC-P,FC,IHC-Fr	Rabbit mAb
Phospho-Tau (T217)	HA723091	H,Ms,R	WB,IF-Cell,IHC-P,IHC-Fr	Rabbit mAb
TDP43	ET1703-74	H,Ms,R,Z,Cmk,P	WB,IP,IF-Cell,IF-Tissue,IHC-P,FC,IHC-Fr	Rabbit mAb
TDP43	HA723072	H,Ms,R,Z,Cmk,P	WB,IF-Cell,IHC-P,IHC-Fr,IF-Tissue,FC,IP	Rabbit mAb
Human TNF alpha	IRS040	H	mIHC	Rabbit mAb
TNF alpha	R1203-1	Ms	WB,ELISA	Rabbit pAb
TNF Receptor I	HA500140	H	WB,IHC-P,FC	Rabbit pAb
Tyk2	ER1803-05	H,R	WB,IF-Cell,IHC-P,FC	Rabbit pAb
Ubiquitin	ET1609-21	H,Ms,R	WB,IF-Cell,IF-Tissue,IHC-P,FC	Rabbit mAb
Urokinase	ET1703-26	H,Ms,R	WB,IHC-P	Rabbit mAb
VCP	ET1703-56	H,Ms,R,Z,Mk	WB,IF-Cell,IF-Tissue,IHC-P,FC,IP	Rabbit mAb

配对抗体				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
beta Amyloid 1-40	HA722077	H,Ms	ELISA(Cap)	Rabbit mAb
beta Amyloid 1-40	HA722078	H,Ms	ELISA(Det)	Rabbit mAb
beta Amyloid 1-42	HA722079	H	ELISA(Cap)	Rabbit mAb
beta Amyloid 1-42	HA722080	H	ELISA(Det)	Rabbit mAb
GFAP	HA601342	H,Ms,R	ELISA(Det)	Mouse mAb
GFAP	HA722234	H,Ms,R	ELISA(Cap)	Rabbit mAb
Human Alpha-Synuclein	HA723467	H	ELISA(Cap)	Rabbit mAb
Human Alpha-Synuclein	HA723468	H	ELISA(Det)	Rabbit mAb
Human CXCL10 / IP-10	HA725007	H	ELISA(Cap)	Rabbit mAb
Human CXCL10 / IP-10	HA725008	H	ELISA(Det)	Rabbit mAb
Human IFN-alpha	HA721290	H	ELISA(Cap)	Rabbit mAb
Human IFN-alpha	HA721291	H	ELISA(Det)	Rabbit mAb
Human IFNGR1	HA722679	H	ELISA(Cap)	Rabbit mAb
Human IFNGR1	HA722680	H	ELISA(Det)	Rabbit mAb
Human IL-1 beta	HA721278	H	ELISA(Cap)	Rabbit mAb
Human IL-1 beta	HA721279	H	ELISA(Det)	Rabbit mAb
Human IL-18	HA721722	H	ELISA(Cap)	Rabbit mAb
Human IL-18	HA721723	H	ELISA(Det)	Rabbit mAb
Human IL-2 Receptor alpha	HA721280	H	ELISA(Cap)	Rabbit mAb
Human IL-2 Receptor alpha	HA721281	H	ELISA(Det)	Rabbit mAb
Human IL-2 Receptor alpha	HA722385	H	ELISA(Cap)	Rabbit mAb
Human IL-2 Receptor alpha	HA722386	H	ELISA(Det)	Rabbit mAb
Human IL-33	HA721935	H	ELISA(Cap)	Rabbit mAb
Human IL-33	HA721936	H	ELISA(Det)	Rabbit mAb
Human IL-6	HA721167	H	ELISA(Cap)	Rabbit mAb
Human IL-6	HA721168	H	ELISA(Det)	Rabbit mAb
Human NLRP3	HA723275	H	ELISA(Cap)	Rabbit mAb
Human NLRP3	HA723276	H	ELISA(Det)	Rabbit mAb
Human NLRP3	HA723278	H	ELISA(Det)	Rabbit mAb
Human sTNF RI	HA723158	H	ELISA(Cap)	Rabbit mAb
Human sTNF RI	HA723159	H	ELISA(Det)	Rabbit mAb
Human TNF alpha	HA721265	H	ELISA(Cap)	Rabbit mAb

配对抗体				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Human TNF alpha	HA721266	H	ELISA(Det)	Rabbit mAb
Human/Mouse/Rat NF-L	HA723330	H,Ms,R	ELISA(Cap)	Rabbit mAb
Human/Mouse/Rat NF-L	HA723331	H,Ms,R	ELISA(Det)	Rabbit mAb
Human/Mouse/Rat NF-L	HA723333	H,Ms,R	ELISA(Cap)	Rabbit mAb
Human/Mouse/Rat NF-L	HA723334	H,Ms,R	ELISA(Det)	Rabbit mAb
Mouse IL-1 beta	HA721976	Ms	ELISA(Cap)	Rabbit mAb
Mouse IL-1 beta	HA721977	Ms	ELISA(Det)	Rabbit mAb
Mouse IL-1 beta	HA722166	Ms	ELISA(Cap)	Rabbit mAb
Mouse IL-1 beta	HA722167	Ms	ELISA(Det)	Rabbit mAb
Mouse IL-6	HA721411	Ms	ELISA(Cap)	Rabbit mAb
Mouse IL-6	HA721412	Ms	ELISA(Det)	Rabbit mAb
Mouse IL-6	HA721413	Ms	ELISA(Det)	Rabbit mAb
Mouse IL-6	HA721600	Ms	ELISA(Cap)	Rabbit mAb
Mouse IL-6	HA721601	Ms	ELISA(Det)	Rabbit mAb
Mouse TNF alpha	HA722040	Ms	ELISA(Cap)	Rabbit mAb
Mouse TNF alpha	HA722041	Ms	ELISA(Det)	Rabbit mAb
Mouse/Rat TNF alpha	HA721974	Ms,R	ELISA(Cap)	Rabbit mAb
Mouse/Rat TNF alpha	HA721975	Ms,R	ELISA(Det)	Rabbit mAb
Rat IL-1 beta	HA721609	R	ELISA(Cap)	Rabbit mAb
Rat IL-1 beta	HA721610	R	ELISA(Det)	Rabbit mAb
Rat IL-1 beta	HA721836	R	ELISA(Cap)	Rabbit mAb
Rat IL-1 beta	HA721837	R	ELISA(Det)	Rabbit mAb
Rat TNF alpha	HA722170	R	ELISA(Cap)	Rabbit mAb
Rat TNF alpha	HA722171	R	ELISA(Det)	Rabbit mAb

*H: Human; Ms: Mouse; R: Rat; P: Pig; Cmk: Cynomolgus monkey; Mk: Monkey; Z: Zebrafish

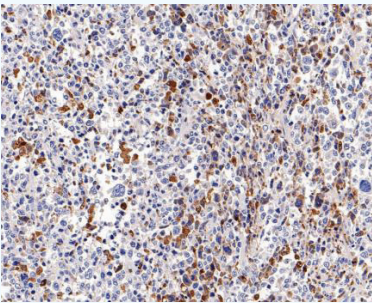
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“神经炎症与免疫调控研究”
抗体产品信息



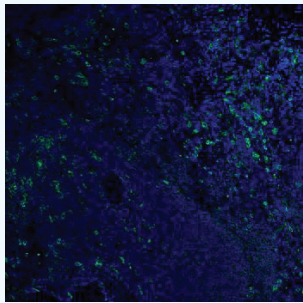
神经炎症与免疫调控研究

靶点: Iba1、GFAP、IL-6、TNF-α, CD11b, CD68

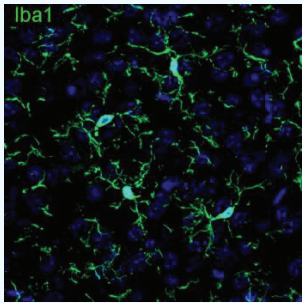
当接收炎症信号刺激时（脑损伤，遗传缺陷等），会促进常驻型免疫细胞表达Iba1、CD11b及CD68（小鼠表达F4/80），并启动TNFα、IL-1β和IL-6等细胞因子分泌并激活的系列炎症反应。



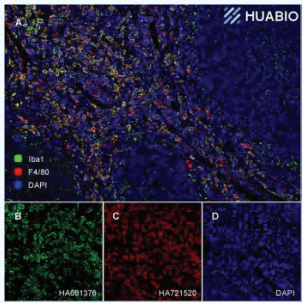
使用CD68鼠单抗 (Catalog# HA601115) 对人弥漫性大B细胞淋巴瘤组织进行 IHC-P 分析。



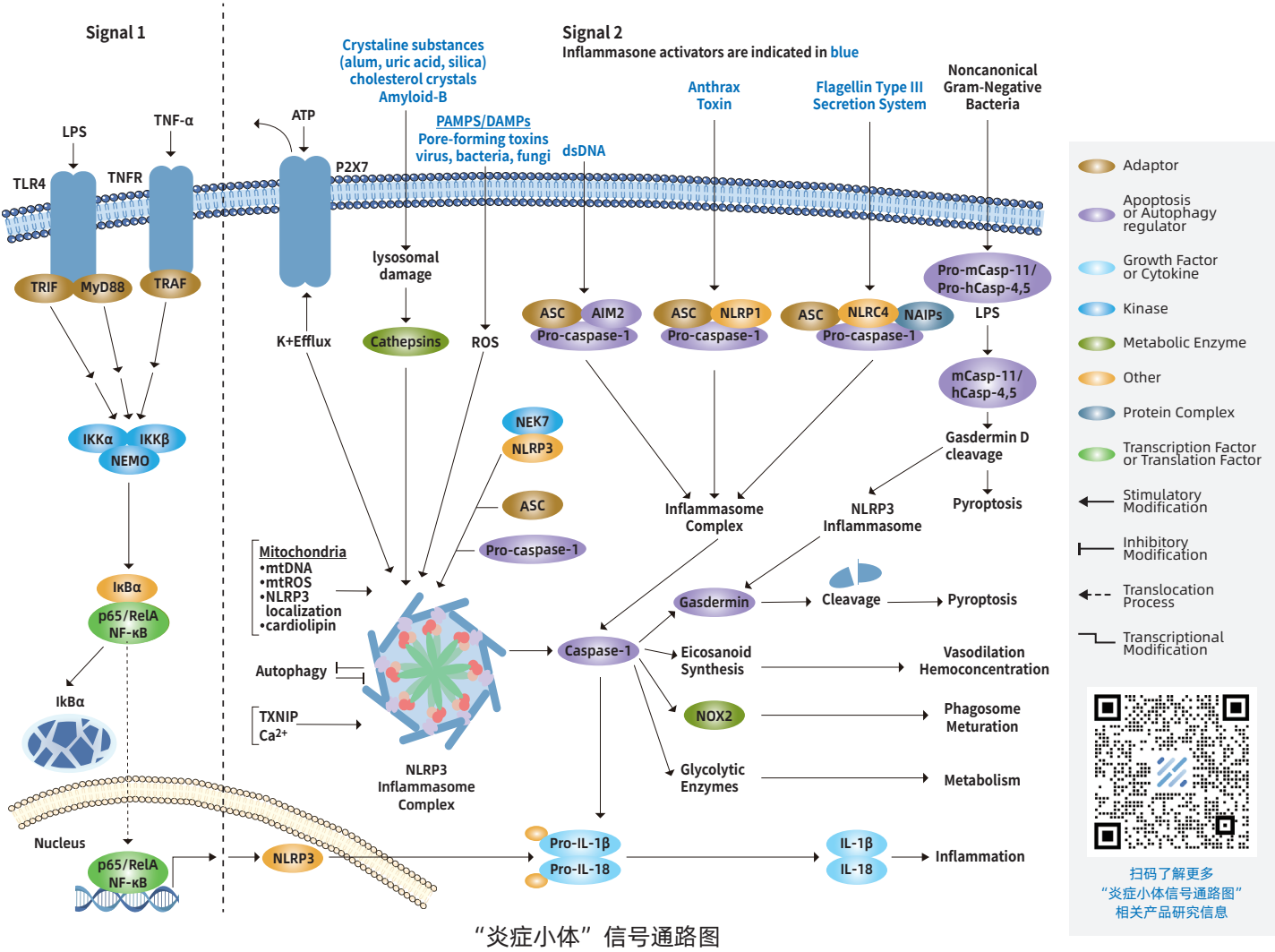
使用CD11b兔单抗 (Catalog# HA722856, 绿色) 对小鼠脾脏组织进行 IHC-Fr 分析。



使用Iba1兔单抗 (Catalog# ET1705-78, 绿色) 对小鼠皮肤组织进行 IHC-Fr 分析。



使用F4/80兔单抗 (Catalog# HA721520, 红色) 对小鼠脾脏组织进行 IHC-Fr 分析。小胶质细胞用Iba1标记 (Catalog# HA601376, 绿色)。

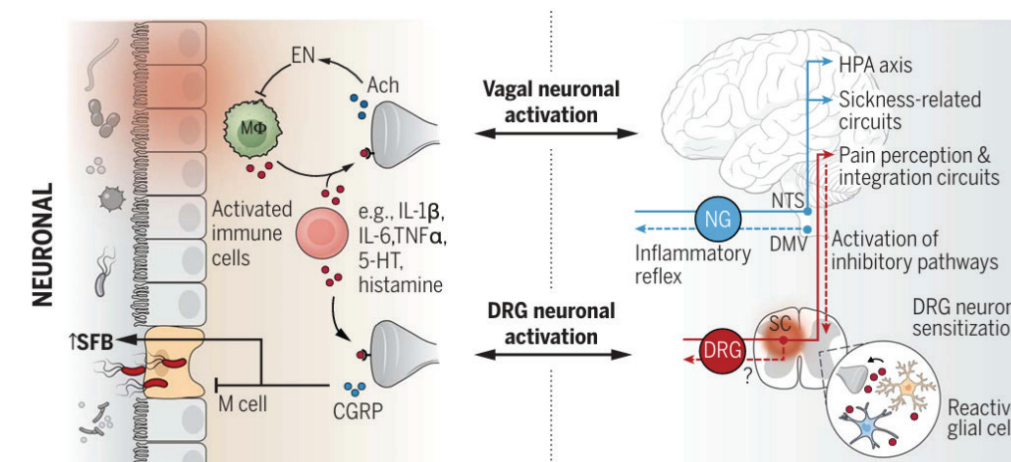
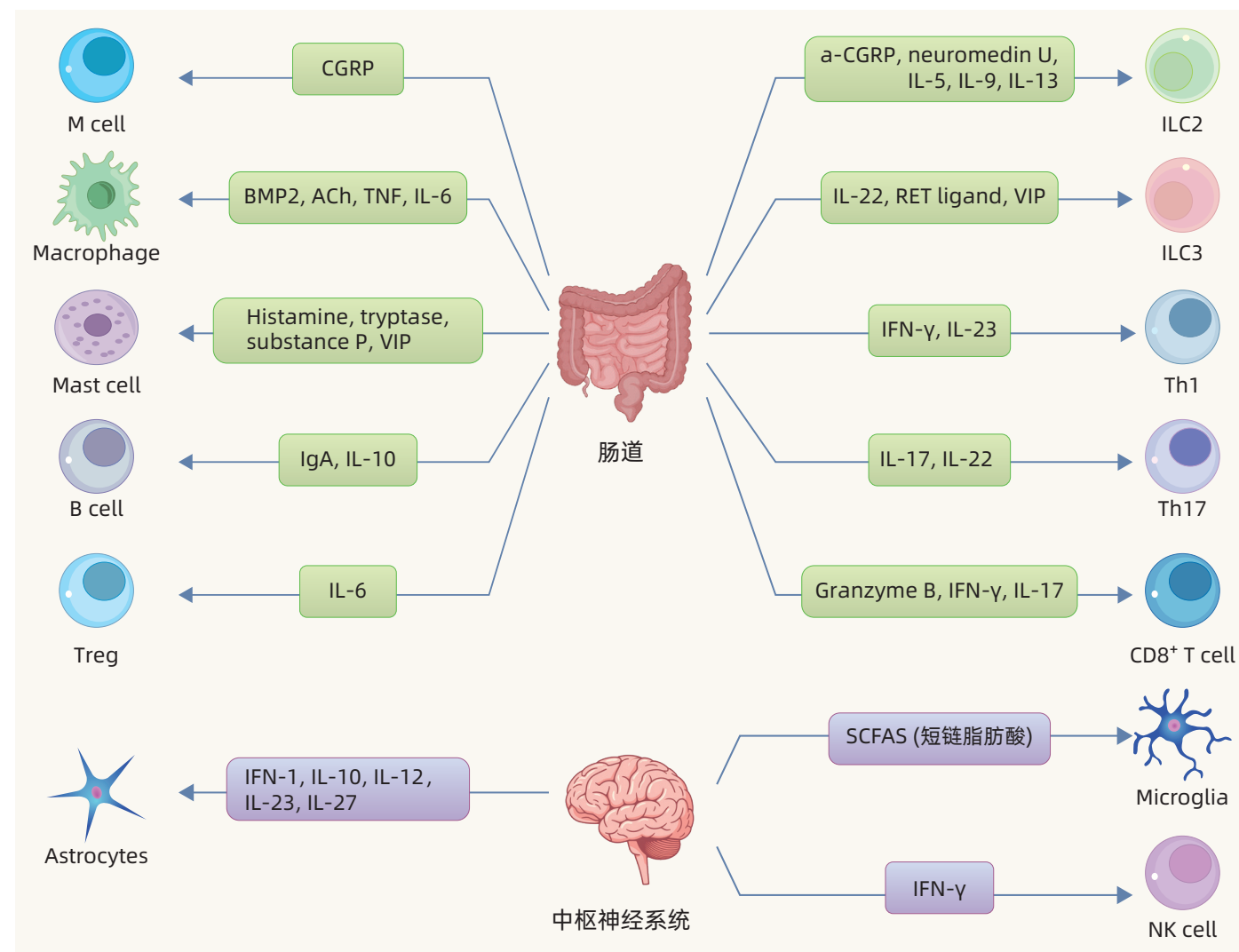


炎症小体信号通路在神经退行性疾病中通过介导神经炎症、细胞焦亡、线粒体功能障碍等机制，加剧了神经元的损伤和死亡。天然免疫过程中，NLRP3炎症小体启动并通过激活 IL-1 β 和IL-18，诱导神经炎症的一系列免疫应答过程。因此，靶向炎症小体的治疗策略为神经退行性疾病的治疗提供了新的方向。

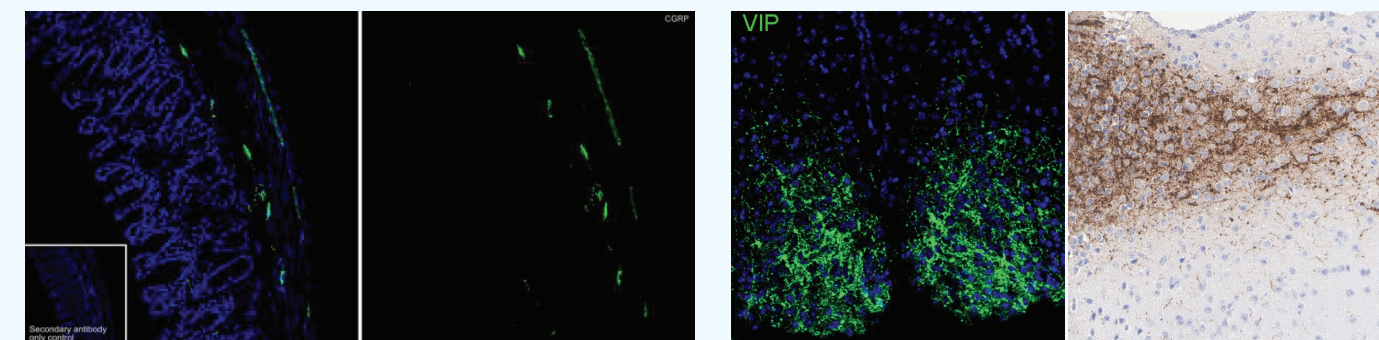
肠-脑轴炎症信号与免疫调控研究

靶点：VIP、CGRP、IL-6、TNF- α 、CD11b、CD68、Granzyme A/B

肠-脑轴通过神经、内分泌和免疫途径，在神经炎症与免疫调控中发挥重要作用。免疫应答过程释放的IL-6、IL-23、IL-1 β 、IFN γ 、TNF等是神经炎症中的关键细胞因子。通过肠-脑轴传递的炎症信号可以调控神经系统的炎症感知、炎症反应及免疫稳态，已经成为神经免疫领域的关键调控信号。



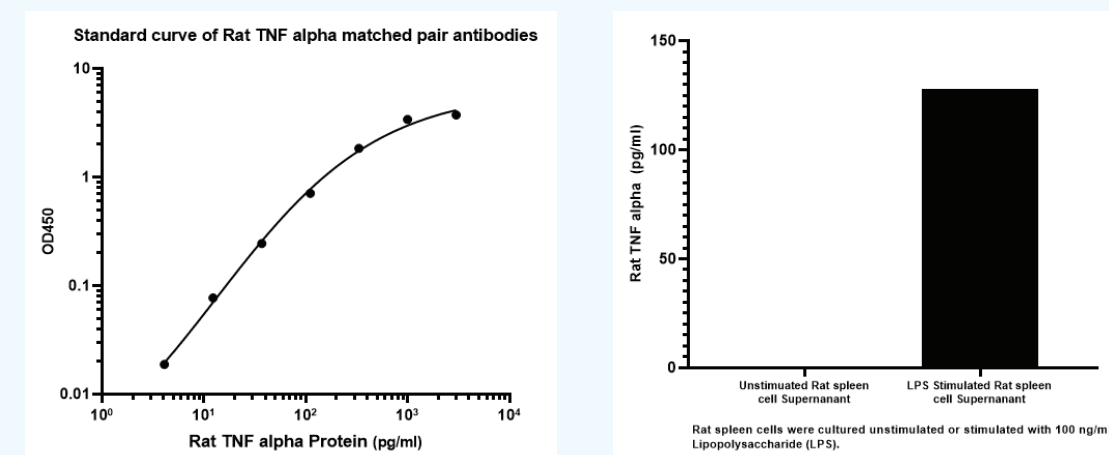
肠-脑轴炎症信号通路的调控 (PMID: 34822299)



使用CGRP 兔单抗 (Catalog# HA722991, 绿色) 对小鼠结肠组织进行 IHC-Fr 分析。

使用VIP 兔单抗 (Catalog# HA723220, 绿色) 对小鼠下丘脑组织进行 IHC-Fr 分析 (左图), 以及对小鼠脑组织进行 IHC-P 分析 (右图)。

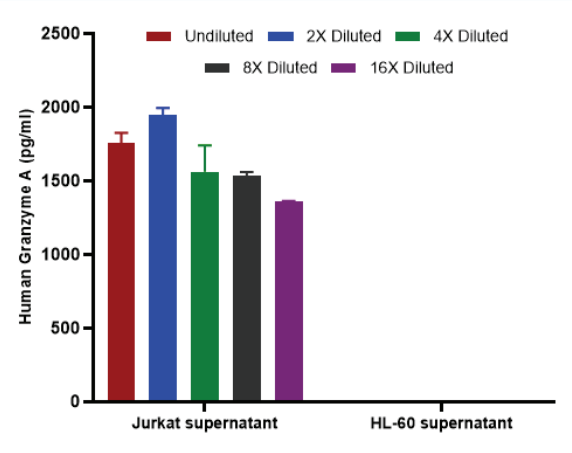
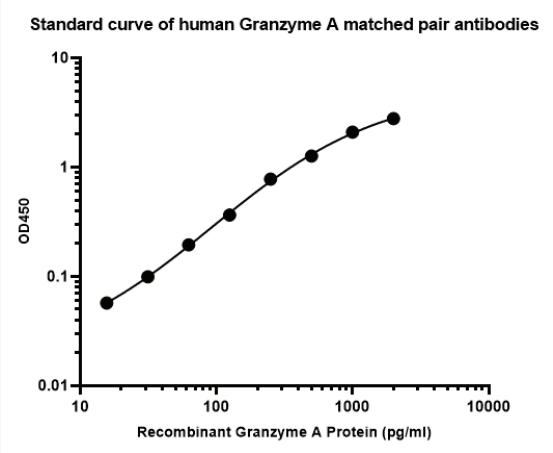
此外，由于配对抗体具有高灵敏度的特征，能够检测炎症反应过程释放的pg级别细胞因子，可以动态监测中枢神经系统的免疫炎症状态，并且能提供准确数值，逐渐成为神经科研领域的强有力的研究工具。



小鼠/大鼠TNF alpha配对抗体 (Capture: HA721974; Detector: HA721975)

左图: Mouse / Rat TNF alpha配对抗体的检测线性范围为12.3-3000 pg/mL, 最低检测限为12.3 pg/mL;

右图: 经过LPS刺激后, 大鼠脾脏细胞提取上清中TNF alpha含量为128 pg/mL, 未处理组TNF alpha含量低于检测限。



人源Granzyme A配对抗体（Capture：HA723095；Detector：HA723096）
左图：Human Granzyme A配对抗体的检测线性范围为15.6-2,000 pg/ml。最低检测限为15.6 pg/ml；
右图：Jurkat细胞培养上清中Granzyme A含量为1,633.2 pg/mL；HL-60细胞为阴性对照。

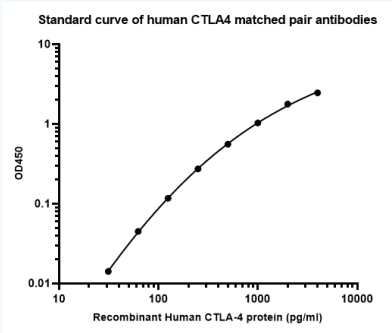
优质抗体推荐

一抗产品				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Aryl hydrocarbon Receptor	ET1703-11	H	WB	Recombinant Rabbit mAb
BMP2	ER80602	H,Ms,R	WB,IF-Cell,IHC-P,FC	Rabbit pAb
BMP2	HA722693	H,Ms,R	WB	Recombinant Rabbit mAb
CD11b	EM1701-42	H	IHC-P,IF-Cell,FC,WB,IF-Tissue	Mouse mAb
CD11b	ET1706-04	H	WB,IP,IHC-P,IF-Cell,IF-Tissue,miHC	Recombinant Rabbit mAb
CD11b	HA722856	H,Ms,R	WB,IHC-Fr,IHC-P,IF-Tissue	Recombinant Rabbit mAb
CD11b	IRS014	H	miHC	Recombinant Rabbit mAb
CD68	HA601115	H	IHC-P,IF-Cell,FC,miHC,IF-Tissue	Recombinant Mouse mAb
CD68	HA601290	H	WB,IF-Cell,IHC-P,FC	Recombinant Mouse mAb
CD68	IRS004	H	miHC	Recombinant Mouse mAb
CD68	HA722285	Ms,R	WB,IF-Cell,IHC-P,IHC-Fr,IF-Tissue	Recombinant Rabbit mAb
CD68	HA722737	Ms,R	WB,IF-Cell,IHC-P,IF-Tissue,IHC-Fr	Recombinant Rabbit mAb
CGRP	HA601423	H,Ms,R	IHC-Fr,IHC-P,WB	Recombinant Chimeric Ab
CGRP	HA722991	H,Ms,R	WB,IF-Cell,IHC-P,FC,IHC-Fr	Recombinant Rabbit mAb
Glucagon	ET1702-20	H,Ms,R	WB,IHC-P,miHC,IHC-Fr,IF-Tissue	Recombinant Rabbit mAb
Granzyme B	HA500252	H	IHC-P,miHC	Rabbit pAb

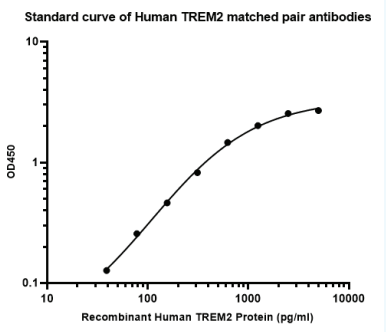
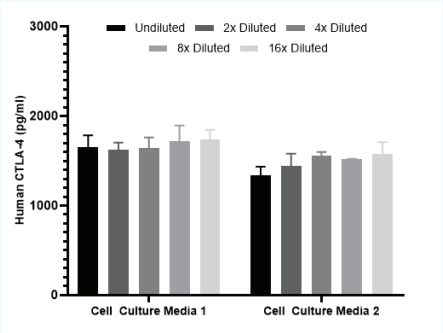
一抗产品				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Granzyme B	IRS032	H	miHC	Rabbit pAb
Granzyme B	IRS054	Ms	miHC	Rabbit pAb
Human IL-1 beta	HA721712	H	WB	Recombinant Rabbit mAb
Human IL-6	HA601051	H	WB,ELISA	Mouse mAb
Iba1	ET1705-78	H,Ms,R,Cmk,P	WB,IHC-P,IHC-Fr,IF-Tissue,IF-Cell,FC,IP,miHC	Recombinant Rabbit mAb
Iba1	HA601367	Ms,R,Cmk,P	IHC-Fr,IHC-P	Recombinant Chimeric Ab
Iba1	HA601368	H,Ms,R,Cmk,P	IHC-Fr,WB	Recombinant Chimeric Ab
Iba1	HA601376	Ms,R,P,Cmk	IHC-Fr	Recombinant Chimeric Ab
Iba1	RT1316	H,Ms,R,Cmk,P	WB,IHC-P,FC,IP,IHC-Fr,IF-Cell,IF-Tissue	Recombinant Mouse mAb
Iba1	IRS068	Ms	miHC	Recombinant Rabbit mAb
IL-1 beta	ET1701-39	H	WB,IF-Cell,IF-Tissue,IHC-P	Recombinant Rabbit mAb
IL-1 beta	HA601002	H,Ms,R	WB,ELISA,IF-Cell	Mouse mAb
IL-10	HA722032	H,Ms,R	WB,IF-Cell,IHC-P	Recombinant Rabbit mAb
IL12B	ER1803-31	H,Ms	WB	Rabbit pAb
IL-17	ER1706-91	H	WB,IHC-P,FC	Rabbit pAb
IL-17A	ER1902-37	H,Ms,R	WB,IHC-P,FC,miHC	Rabbit pAb
IL-17A	IRS056	Ms	miHC	Rabbit pAb
IL-22	ER1803-85	H,Ms,R	ELISA,WB,IHC-P	Rabbit pAb
IL-23	HA721037	H	WB,IHC-P	Recombinant Rabbit mAb
IL-5	HA500081	H	WB,IF-Cell,ELISA	Rabbit pAb
IL-6	EM1701-45	Ms,R	WB,IF-Cell	Mouse mAb
IL-6	M1303-3	Ms	WB,IF-Cell,FC,ELISA	Mouse mAb
Interferon gamma	ET1703-17	H	WB,FC	Recombinant Rabbit mAb
Mast Cell Tryptase	ET1610-64	H,Ms	WB,IHC-P,IP,miHC	Recombinant Rabbit mAb
Mast Cell Tryptase	IRS041	H	miHC	Recombinant Rabbit mAb
NF-kB p105 / p50	ET1603-18	H,Ms,R	WB,IHC-P,ICC,FC,IF-Tissue	Recombinant Rabbit mAb
NF-kB p65	ER0815	H,Ms,R,Z	WB,IHC-P,FC	Rabbit pAb
NF-kB p65	ET1603-12	H,Ms,R,Z	WB,IF-Cell,IF-Tissue,IHC-P,IP,FC	Recombinant Rabbit mAb
Phospho-NF-kB p65 (S529)	ET1604-27	H	WB,IHC-P,FC,IP	Recombinant Rabbit mAb
NF-kB p65	HA721307	H,Ms,R,Mk	WB,IHC-P,IF-Cell,FC	Recombinant Rabbit mAb
Phospho-NF-kB p65 (S536)	HA723223	H,Ms	WB,IF-Cell	Recombinant Rabbit mAb
NLRP3	ET1610-93	H,Ms,R	WB,IF-Cell,IHC-P,FC	Recombinant Rabbit mAb

一抗产品				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Occludin	ET1701-76	H,Ms,R,Cmk,P	WB,IP,FC,IF-Cell,IHC-P,IHC-Fr	Recombinant Rabbit mAb
Occludin	R1510-33	H,Ms,R	WB,IF-Cell,IHC-P,FC	Rabbit pAb
Substance P	HA721995	H,Ms,R	IHC-P	Recombinant Rabbit mAb
TLR4	ER1706-43	H,Ms,R	IF-Cell,IHC-P,FC	Rabbit pAb
Human TNF alpha	HA721286	H	IHC-P,mIHC	Recombinant Rabbit mAb
TNF alpha	HA722022	H,Ms	WB	Recombinant Rabbit mAb
Human TNF alpha	IRS040	H	mIHC	Recombinant Rabbit mAb
VIP	HA601401	H,Ms,R,Cmk	IHC-Fr,IHC-P	Recombinant Chimeric Ab
VIP	HA723220	H,Ms,R,Cmk	IHC-Fr,IHC-P,IF-Tissue	Recombinant Rabbit mAb
配对抗体				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Human Granzyme A	HA723092	H	ELISA(Cap)	Recombinant Rabbit mAb
Human Granzyme A	HA723093	H	ELISA(Det)	Recombinant Rabbit mAb
Human Granzyme A	HA723095	H	ELISA(Cap)	Recombinant Rabbit mAb
Human Granzyme A	HA723096	H	ELISA(Det)	Recombinant Rabbit mAb
Human IL-1 beta	HA721278	H	ELISA(Cap)	Recombinant Rabbit mAb
Human IL-1 beta	HA721279	H	ELISA(Det)	Recombinant Rabbit mAb
Human IL-10	HA721236	H	ELISA(Cap)	Recombinant Rabbit mAb
Human IL-10	HA721237	H	ELISA(Det)	Recombinant Rabbit mAb
Human IL-12B p40	HA721834	H	ELISA(Cap)	Recombinant Rabbit mAb
Human IL-12B p40	HA721835	H	ELISA(Det)	Recombinant Rabbit mAb
Human IL-12B p40	HA721934	H	ELISA(Det)	Recombinant Rabbit mAb
Human IL-13	HA725013	H	ELISA(Cap)	Recombinant Rabbit mAb
Human IL-13	HA725014	H	ELISA(Det)	Recombinant Rabbit mAb
Human IL-17A	HA721232	H	ELISA(Cap)	Recombinant Rabbit mAb
Human IL-17A	HA721233	H	ELISA(Det)	Recombinant Rabbit mAb
Human IL-22	HA721939	H	ELISA(Cap)	Recombinant Rabbit mAb
Human IL-22	HA721940	H	ELISA(Det)	Recombinant Rabbit mAb
Human IL-23A	HA721933	H	ELISA(Cap)	Recombinant Rabbit mAb
Human IL-27	HA722046	H	ELISA(Cap)	Recombinant Rabbit mAb
Human IL-27	HA722047	H	ELISA(Det)	Recombinant Rabbit mAb
Human IL-27	HA722048	H	ELISA(Cap)	Recombinant Rabbit mAb

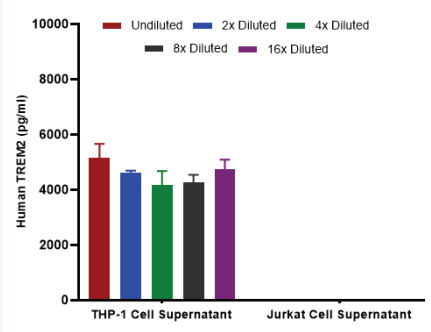
配对抗体				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Human IL-27	HA722049	H	ELISA(Det)	Recombinant Rabbit mAb
Human IL-27 p28	HA722044	H	ELISA(Cap)	Recombinant Rabbit mAb
Human IL-27 p28	HA722045	H	ELISA(Det)	Recombinant Rabbit mAb
Human IL-5	HA722164	H	ELISA(Cap)	Recombinant Rabbit mAb
Human IL-5	HA722165	H	ELISA(Det)	Recombinant Rabbit mAb
Human IL-6	HA721167	H	ELISA(Cap)	Recombinant Rabbit mAb
Human IL-6	HA721168	H	ELISA(Det)	Recombinant Rabbit mAb
Human Interferon gamma	HA721574	H	ELISA(Cap)	Recombinant Rabbit mAb
Human Interferon gamma	HA721575	H	ELISA(Det)	Recombinant Rabbit mAb
Human Interferon gamma	HA721683	H	ELISA(Cap)	Recombinant Rabbit mAb
Human Interferon gamma	HA721684	H	ELISA(Cap)	Recombinant Rabbit mAb
Human Interferon gamma	HA721685	H	ELISA(Det)	Recombinant Rabbit mAb
Human NLRP3	HA723275	H	ELISA(Cap)	Recombinant Rabbit mAb
Human NLRP3	HA723276	H	ELISA(Det)	Recombinant Rabbit mAb
Human NLRP3	HA723278	H	ELISA(Det)	Recombinant Rabbit mAb
Human TNF alpha	HA721265	H	ELISA(Cap)	Recombinant Rabbit mAb
Human TNF alpha	HA721266	H	ELISA(Det)	Recombinant Rabbit mAb
Mouse CD68	HA723446	Ms	ELISA(Cap)	Recombinant Rabbit mAb
Mouse CD68	HA723447	Ms	ELISA(Det)	Recombinant Rabbit mAb
Mouse CD68	HA723449	Ms	ELISA(Cap)	Recombinant Rabbit mAb
Mouse CD68	HA723450	Ms	ELISA(Det)	Recombinant Rabbit mAb
Mouse IFN gamma	HA721956	Ms	ELISA(Cap)	Recombinant Rabbit mAb
Mouse IL-1 beta	HA721976	Ms	ELISA(Cap)	Recombinant Rabbit mAb
Mouse IL-1 beta	HA721977	Ms	ELISA(Det)	Recombinant Rabbit mAb
Mouse IL-1 beta	HA722166	Ms	ELISA(Cap)	Recombinant Rabbit mAb
Mouse IL-1 beta	HA722167	Ms	ELISA(Det)	Recombinant Rabbit mAb
Mouse IL-10	HA721517	Ms	ELISA(Cap)	Recombinant Rabbit mAb
Mouse IL-10	HA721518	Ms	ELISA(Det)	Recombinant Rabbit mAb
Mouse IL12 p40	HA722193	Ms	ELISA(Cap)	Recombinant Rabbit mAb
Mouse IL12 p40	HA722194	Ms	ELISA(Det)	Recombinant Rabbit mAb
Mouse IL-17A	HA721606	Ms	ELISA(Cap)	Recombinant Rabbit mAb
Mouse IL-17A	HA721607	Ms	ELISA(Det)	Recombinant Rabbit mAb



人源CTLA-4配对抗体 (Capture: HA722954; Detector: HA722955)
左图: Human CTLA-4配对抗体的检测线性范围为8.2-2,000 pg/ml。最低检测限为8.2 pg/ml;
右图: 在不同稀释比例的细胞培养基体系中, 对人源CTLA-4配对抗体进行回收率分析, 确保回收系数在80-120 %。



人源TREM2配对抗体 (Capture: HA723150; Detector: HA723149)
左图: Human TREM2配对抗体的检测线性范围为39-5,000 pg/ml。最低检测限为39 pg/ml;
右图: THP-1细胞培养上清中TREM2含量为4,597 pg/mL; Jurkat细胞为阴性对照。



优质抗体推荐

一抗产品				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
4-1BBL	HA721357	H,Ms	WB	Rabbit mAb
B7H4	HA722024	H,Ms,R	WB,IF-Cell	Rabbit mAb
B7-H6	HA723256	H	WB,IF-Cell,FC,IP	Rabbit mAb
BTNL3	HA500239	H	WB,IHC-P	Rabbit pAb
BTNL8	HA500240	H,Ms,R	WB,IHC-P	Rabbit pAb
CD27	ET7107-73	H,Ms,R	WB,IHC-P	Rabbit mAb
CD27	HA723042	H	WB,IF-Cell,IHC-P,FC,IP	Rabbit mAb
CD28	ER2001-42	H,Ms,R	WB,IHC-P,FC	Rabbit pAb
CD40	EM1901-40	H	WB,IF-Cell,IHC-P	Mouse mAb

一抗产品				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
CD40	ER1803-54	H,R,Ms	WB,IF-Cell,IHC-P,FC	Rabbit pAb
CD40	HA723170	H,Ms,R,Cmk,P	IHC-P,IHC-Fr,IF-Cell,FC,IF-Tissue	Rabbit mAb
CD40L	ET1703-64	H,Ms,R	WB	Rabbit mAb
CD47	EM1701-38	H	IF-Cell,IHC-P,FC	Mouse mAb
CD47	HA721158	H	IHC-P,FC	Rabbit mAb
CD47	HA723198	H	WB,IF-Cell,FC	Rabbit mAb
CD48	HA723230	H	WB,FC,IP,IHC-P	Rabbit mAb
CD80	ET1702-95	H	WB,IHC-P	Rabbit mAb
CD80	M1007-10	H,Ms	WB,IF-Cell,IHC-P,FC	Mouse mAb
CD86	ET1606-50	H,Ms,R	WB,IF-Cell,IP	Rabbit mAb
CD134	EM1701-24	H,Ms,R	WB,IHC-P,IF-Cell,FC	Mouse mAb
CD134	HA723183	H	WB,IF-Cell,FC,IP	Rabbit mAb
CD137	M1701-11	H,Ms,R	WB,IHC-P,IF-Cell,FC	Mouse mAb
CD200	HA721691	H	WB,IHC-P,IF-Tissue,FC	Rabbit mAb
CD200	HA721692	H	WB,IHC-P,FC	Rabbit mAb
Human CD200	HA720208F	H	FC	Rabbit mAb
Human CD200R1	HA722211	H	IF-Cell,FC	Rabbit mAb
CD276	HA721245	H	IHC-P,FC,WB	Rabbit mAb
CD276	HA721823	H	WB,IF-Cell,FC	Rabbit mAb
CEACAM1	HA721507	H	WB,IHC-P	Rabbit mAb
CTLA-4	HA721269	H,Ms	IHC-P,miIHC	Rabbit mAb
CTLA-4	IRS016	H	miIHC	Rabbit mAb
DC-SIGN	HA721382	H	WB	Rabbit mAb
DLX3	HA722281	H	WB,IF-Cell,IHC-P,FC,IF-Tissue	Rabbit mAb
Galectin 9	HA721821	H,Ms	WB,FC	Rabbit mAb
Galectin 9	HA721822	H,R	WB	Rabbit mAb
GITR	HA722087	H	WB,IF-Cell,FC	Rabbit mAb
ICOSLG / B7-H2 / CD275	HA721299	H	WB	Rabbit mAb
LAG-3	HA721346	H,Ms	WB,IHC-P,IF-Cell	Rabbit mAb
LAG-3	HA721358	H	IHC-P,IF-Cell,WB,miIHC	Rabbit mAb
LAG-3	IRS020	H	miIHC	Rabbit mAb
LILRB1	HA722158	H	WB	Rabbit mAb

一抗产品				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
LT-alpha	M0807-15	H,R	WB	Mouse mAb
PD1	EM1707-60	H	WB,IF-Cell,IHC-P,FC	Mouse mAb
PD1	ET1606-41	H	WB,IHC-P	Rabbit mAb
PD1 Blocking	EM1701-17	H	ELISA,FC	Mouse mAb
PD-L1	ET1701-41	H	WB,IHC-P	Rabbit mAb
PD-L1	HA721176	H	IHC-P,mIHC,WB	Rabbit mAb
PD-L2	HA601331	H	WB,IF-Cell	Mouse mAb
Poliovirus Receptor	HA721351	H	WB,IF-Cell	Rabbit mAb
SIRP alpha	EM1902-37	H	WB,IF-Cell,IHC-P,FC	Mouse mAb
SIRP alpha	HA721316	H,Ms,R	WB,IHC-P,FC	Rabbit mAb
TIM 1	HA721535	H,Ms,R	WB	Rabbit mAb
TIM 3	EM1701-18	H	WB,IF-Cell,IHC-P,FC	Mouse mAb
TIM 3	EM1701-19	H	WB,IHC-P,IF-Cell,FC	Mouse mAb
TIM 3	EM1701-20	H	WB,IF-Cell,IHC-P,FC	Mouse mAb
TNFRSF14	HA722501	H	WB,IF-Cell,FC	Rabbit mAb
TNFSF14	HA500384	H,Ms	WB,IHC-P	Rabbit pAb
TREM2	ER1902-96	H	WB,IHC-P,FC	Rabbit pAb
VISTA	HA721452	H	WB,IHC-P,IF-Tissue	Rabbit mAb
VISTA	HA721453	H	WB,IHC-P,IF-Cell,FC,IF-Tissue	Rabbit mAb
配对抗体				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Human B7-H6	HA723190	H	ELISA(Cap)	Rabbit mAb
Human B7-H6	HA723191	H	ELISA(Det)	Rabbit mAb
Human CD27/TNFRSF7	HA722973	H	ELISA(Cap)	Rabbit mAb
Human CD27/TNFRSF7	HA722974	H	ELISA(Cap)	Rabbit mAb
Human CD27/TNFRSF7	HA722975	H	ELISA(Det)	Rabbit mAb
Human CD28	HA723457	H	ELISA(Cap)	Rabbit mAb
Human CD28	HA723458	H	ELISA(Det)	Rabbit mAb
Human CD30	HA722187	H	ELISA(Cap)	Rabbit mAb
Human CD30	HA722188	H	ELISA(Det)	Rabbit mAb
Human CD31	HA722906	H	ELISA(Cap)	Rabbit mAb
Human CD31	HA722907	H	ELISA(Det)	Rabbit mAb

配对抗体				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Human CD33	HA722254	H	ELISA(Cap)	Rabbit mAb
Human CD33	HA722255	H	ELISA(Det)	Rabbit mAb
Human CD47	HA723272	H	ELISA(Cap)	Rabbit mAb
Human CD47	HA723273	H	ELISA(Det)	Rabbit mAb
Human CD48	HA722977	H	ELISA(Cap)	Rabbit mAb
Human CD48	HA722978	H	ELISA(Cap),ELISA(Det)	Rabbit mAb
Human CD48	HA722979	H	ELISA(Det)	Rabbit mAb
Human CD63	HA722988	H	ELISA(Cap)	Rabbit mAb
Human CD63	HA722989	H	ELISA(Det)	Rabbit mAb
Mouse CD68	HA723446	Ms	ELISA(Cap)	Rabbit mAb
Mouse CD68	HA723447	Ms	ELISA(Det)	Rabbit mAb
Mouse CD68	HA723449	Ms	ELISA(Cap)	Rabbit mAb
Mouse CD68	HA723450	Ms	ELISA(Det)	Rabbit mAb
Human CD73	HA722957	H	ELISA(Cap)	Rabbit mAb
Human CD73	HA722958	H	ELISA(Det)	Rabbit mAb
Human CD80	HA723123	H	ELISA(Cap)	Rabbit mAb
Human CD80	HA723124	H	ELISA(Det)	Rabbit mAb
Human CD80	HA723125	H	ELISA(Det)	Rabbit mAb
Human CD85d	HA722381	H	ELISA(Cap)	Rabbit mAb
Human CD85d	HA722382	H	ELISA(Det)	Rabbit mAb
Human CD137	HA723009	H	ELISA(Cap)	Rabbit mAb
Human CD137	HA723010	H	ELISA(Det)	Rabbit mAb
Human CD137	HA723012	H	ELISA(Cap)	Rabbit mAb
Human CD137	HA723013	H	ELISA(Det)	Rabbit mAb
Human CD200	HA722379	H	ELISA(Cap)	Rabbit mAb
Human CD200	HA722380	H	ELISA(Det)	Rabbit mAb
Human CD200R1	HA722256	H	ELISA(Cap)	Rabbit mAb
Human CD200R1	HA722257	H	ELISA(Det)	Rabbit mAb
Human CD276	HA722491	H	ELISA(Cap)	Rabbit mAb
Human CD276	HA722492	H	ELISA(Det)	Rabbit mAb
Human Complement C5	HA722682	H	ELISA(Cap)	Rabbit mAb
Human Complement C5	HA722683	H	ELISA(Det)	Rabbit mAb

配对抗体				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Human CRP	HA722108	H	ELISA(Cap)	Rabbit mAb
Human CRP	HA722109	H	ELISA(Det)	Rabbit mAb
Mouse CRP	HA725073	Ms	ELISA(Cap)	Rabbit mAb
Mouse CRP	HA725074	Ms	ELISA(Det)	Rabbit mAb
Human CTGF	HA723296	H	ELISA(Cap)	Rabbit mAb
Human CTGF	HA723297	H	ELISA(Det)	Rabbit mAb
Human CTLA-4	HA722954	H	ELISA(Cap)	Rabbit mAb
Human CTLA-4	HA722955	H	ELISA(Det)	Rabbit mAb
Human FOLR1	HA723354	H	ELISA(Cap)	Rabbit mAb
Human FOLR1	HA723355	H	ELISA(Det)	Rabbit mAb
Human GITR	HA722383	H	ELISA(Cap)	Rabbit mAb
Human GITR	HA722384	H	ELISA(Det)	Rabbit mAb
Human Granzyme A	HA723092	H	ELISA(Cap)	Rabbit mAb
Human Granzyme A	HA723093	H	ELISA(Det)	Rabbit mAb
Human Granzyme A	HA723095	H	ELISA(Cap)	Rabbit mAb
Human Granzyme A	HA723096	H	ELISA(Det)	Rabbit mAb
Human ICAM1	HA723184	H	ELISA(Cap)	Rabbit mAb
Human ICAM1	HA723185	H	ELISA(Det)	Rabbit mAb
Human ICOSLG/B7-H2/CD275	HA723317	H	ELISA(Cap)	Rabbit mAb
Human ICOSLG/B7-H2/CD275	HA723318	H	ELISA(Det)	Rabbit mAb
Human ICOSLG/B7-H2/CD275	HA723320	H	ELISA(Cap)	Rabbit mAb
Human ICOSLG/B7-H2/CD275	HA723321	H	ELISA(Det)	Rabbit mAb
Human LAG-3	HA722258	H	ELISA(Cap)	Rabbit mAb
Human LAG-3	HA722259	H	ELISA(Det)	Rabbit mAb
Human LIF	HA722495	H	ELISA(Cap)	Rabbit mAb
Human LIF	HA722496	H	ELISA(Det)	Rabbit mAb
Mouse LIF	HA721758	Ms	ELISA(Cap)	Rabbit mAb
Mouse LIF	HA721759	Ms	ELISA(Det)	Rabbit mAb
Human MBL2	HA722191	H	ELISA(Cap)	Rabbit mAb
Human MBL2	HA722192	H	ELISA(Det)	Rabbit mAb
Human MICA	HA723327	H	ELISA(Cap)	Rabbit mAb
Human MICA	HA723328	H	ELISA(Det)	Rabbit mAb

配对抗体				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Human MICB	HA723238	H	ELISA(Cap)	Rabbit mAb
Human MICB	HA723239	H	ELISA(Det)	Rabbit mAb
Human NLRP3	HA723275	H	ELISA(Cap)	Rabbit mAb
Human NLRP3	HA723276	H	ELISA(Det)	Rabbit mAb
Human NLRP3	HA723278	H	ELISA(Det)	Rabbit mAb
Human Nectin-2	HA723460	H	ELISA(Cap)	Rabbit mAb
Human Nectin-2	HA723461	H	ELISA(Det)	Rabbit mAb
Human Nectin-2	HA723463	H	ELISA(Cap)	Rabbit mAb
Human Nectin-4	HA723470	H	ELISA(Cap)	Rabbit mAb
Human Nectin-4	HA723471	H	ELISA(Det)	Rabbit mAb
Human OX40/TNFRSF4	HA723187	H	ELISA(Cap)	Rabbit mAb
Human OX40/TNFRSF4	HA723188	H	ELISA(Det)	Rabbit mAb
Human PD-L2	HA723145	H	ELISA(Cap)	Rabbit mAb
Human PD-L2	HA723146	H	ELISA(Cap)	Rabbit mAb
Human PD-L2	HA723147	H	ELISA(Det)	Rabbit mAb
Human SAA1	HA601333	H	ELISA(Cap)	Mouse mAb
Human SAA1	HA601334	H	ELISA(Det)	Mouse mAb
Human SCF	HA722871	H	ELISA(Cap)	Rabbit mAb
Human SCF	HA722872	H	ELISA(Det)	Rabbit mAb
Human Siglec 7	HA723392	H	ELISA(Cap)	Rabbit mAb
Human Siglec 7	HA723393	H	ELISA(Cap),ELISA(Det)	Rabbit mAb
Human Siglec 7	HA723395	H	ELISA(Det)	Rabbit mAb
Human Siglec 9	HA723397	H	ELISA(Cap)	Rabbit mAb
Human Siglec 9	HA723398	H	ELISA(Det)	Rabbit mAb
Human Siglec 9	HA723400	H	ELISA(Det)	Rabbit mAb
Human TREM2	HA723149	H	ELISA(Cap),ELISA(Det)	Rabbit mAb
Human TREM2	HA723150	H	ELISA(Cap)	Rabbit mAb
Human TREM2	HA723151	H	ELISA(Det)	Rabbit mAb
Human TREM2	HA723372	H	ELISA(Det)	Rabbit mAb
Mouse TREM2	HA721760	Ms	ELISA(Cap)	Rabbit mAb
Mouse TREM2	HA721761	Ms	ELISA(Det)	Rabbit mAb
Mouse PD1	HA722100	Ms	ELISA(Cap)	Rabbit mAb

配对抗体				
Product name	Catalog#	Reactivity	Tested applications	Antibody type
Mouse PD1	HA722101	Ms	ELISA(Det)	Rabbit mAb
Mouse PD-L1	HA722189	Ms	ELISA(Cap)	Rabbit mAb
Mouse PD-L1	HA722190	Ms	ELISA(Det)	Rabbit mAb
Mouse RANKL	HA722922	Ms	ELISA(Cap)	Rabbit mAb
Mouse RANKL	HA722923	Ms	ELISA(Cap)	Rabbit mAb
Mouse RANKL	HA722924	Ms	ELISA(Det)	Rabbit mAb
TNFRSF14/HVEM	HA722676	H	ELISA(Cap)	Rabbit mAb
TNFRSF14/HVEM	HA722677	H	ELISA(Det)	Rabbit mAb
Human ULBP1	HA723406	H	ELISA(Cap)	Rabbit mAb
Human ULBP1	HA723407	H	ELISA(Det)	Rabbit mAb
Human ULBP1	HA723409	H	ELISA(Det)	Rabbit mAb
Human TNF alpha	HA721265	H	ELISA(Cap)	Rabbit mAb
Human TNF alpha	HA721266	H	ELISA(Det)	Rabbit mAb
Human TNF alpha	HA721294	H	ELISA(Det)	Rabbit mAb
Human TNF alpha	HA721559	H	ELISA(Det)	Rabbit mAb
Mouse TNF alpha	HA722040	Ms	ELISA(Cap)	Rabbit mAb
Mouse TNF alpha	HA722041	Ms	ELISA(Det)	Rabbit mAb
Mouse/Rat TNF alpha	HA721974	Ms,R	ELISA(Cap)	Rabbit mAb
Mouse/Rat TNF alpha	HA721975	Ms,R	ELISA(Det)	Rabbit mAb
Rat TNF alpha	HA722170	R	ELISA(Cap)	Rabbit mAb
Rat TNF alpha	HA722171	R	ELISA(Det)	Rabbit mAb
Human TNF-beta	HA721242	H	ELISA(Cap)	Rabbit mAb
Human TNF-beta	HA721243	H	ELISA(Det)	Rabbit mAb
Human sTNF RI	HA723158	H	ELISA(Cap)	Rabbit mAb
Human sTNF RI	HA723159	H	ELISA(Det)	Rabbit mAb
Human TNF Receptor II	HA723402	H	ELISA(Cap)	Rabbit mAb
Human TNF Receptor II	HA723403	H	ELISA(Det)	Rabbit mAb

*H: Human; Ms: Mouse; R: Rat; P: Pig; Cmk: Cynomolgus monkey



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