abcam

Product datasheet

Anti-MyD88 antibody [OTI1B4] ab119048

敲除验证

1 References 6 图像

概述

产品名称	Anti-MyD88抗体[OTI1B4]
描述	小鼠单克隆抗体[OTI1B4] to MyD88
宿主	Mouse
经测试应用	**适用于:** Flow Cyt (Intra), WB, ICC/IF
种属反应性	**与反应:** Human, Recombinant fragment
免疫原	Recombinant full length protein corresponding to Human MyD88. Database link: **Q99836**
阳性对照	WB: HEK293T cell lysate transfected with pCMV6-ENTRY MyD88 cDNA; Jerkat, and MOLT4 cell lysates. Flow Cyt (Intra): HEK293T cells transfected with pCMV6-ENTRY MyD88 overexpression plasmid; HeLa and Jurkat cells. ICC/IF: COS7 cells transiently transfected by pCMV6-ENTRY MyD88; HeLa and Jurkat cells.
常规说明	The clone number has been updated from 1B4 to OTI1B4, both clone numbers name the same clone. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 1% BSA, 50% Glycerol, PBS
纯度	Affinity purified

纯化说明	Purified from cell culture supernatant by affinity chromatography
克隆	单克隆
克隆编号	OTI1B4
同种型	IgG2a

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab119048于以下的经测试应用**

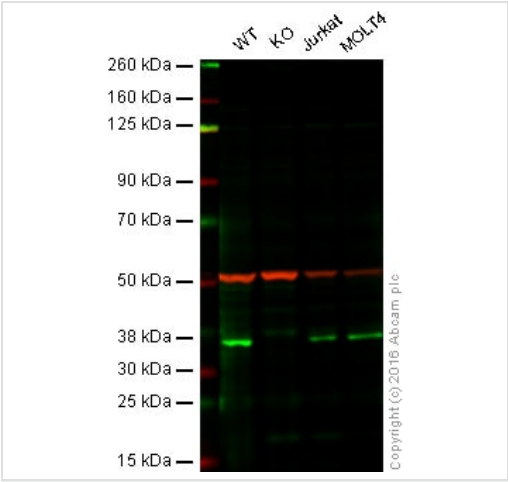
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/100. **ab170191** - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
WB		1/2000. Predicted molecular weight: 33 kDa.
ICC/IF		1/100.

靶标

功能	Adapter protein involved in the Toll-like receptor and IL-1 receptor signaling pathway in the innate immune response. Acts via IRAK1, IRAK2, IRF7 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Increases IL-8 transcription. Involved in IL-18-mediated signaling pathway.
组织特异性	Ubiquitous.
疾病相关	Defects in MYD88 are the cause of MYD88 deficiency (MYD88D) [MIM:612260]; also known as recurrent pyogenic bacterial infections due to MYD88 deficiency. Patients suffer from autosomal recessive, life-threatening, often recurrent pyogenic bacterial infections, including invasive pneumococcal disease, and die between 1 and 11 months of age. Surviving patients are otherwise healthy, with normal resistance to other microbes, and their clinical status improved with age.
序列相似性	Contains 1 death domain. Contains 1 TIR domain.
结构域	The intermediate domain (ID) is required for the phosphorylation and activation of IRAK.
细胞定位	Cytoplasm.

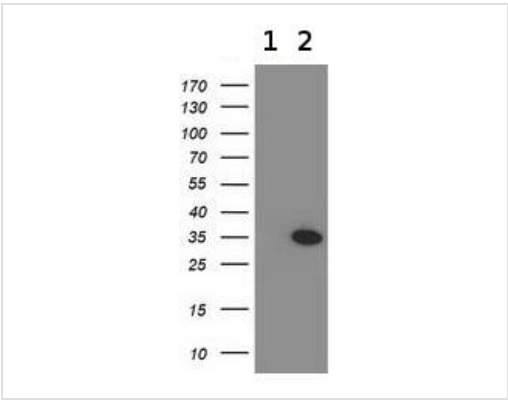
图片



Western blot - Anti-MyD88 antibody [OTI1B4] (ab119048)

Lane 1: Wild-type HAP1 cell lysate (20 µg)
Lane 2: MyD88 knockout HAP1 cell lysate (20 µg)
Lane 3: Jurkat cell lysate (20 µg)
Lane 4: Molt-4 cell lysate (20 µg)
Lanes 1 - 4: Merged signal (red and green). Green - ab119048 observed at 37 kDa. Red - loading control, **ab176560**, observed at 52 kDa.

ab119048 was shown to specifically react with MyD88 when MyD88 knockout samples were used. Wild-type and MyD88 knockout samples were subjected to SDS-PAGE. Ab119048 and **ab176560** (loading control to alpha Tubulin) were diluted at 1/2000 and 1/10000 dilution respectively and incubated overnight at 4C. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) preadsorbed **ab216772** andGoat Anti-Rabbit IgG H&L (IRDye® 680RD) preadsorbed **ab216777** secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.



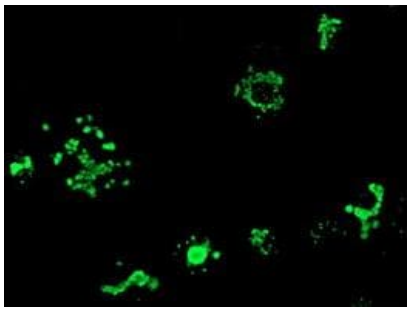
Western blot - Anti-MyD88 antibody [OTI1B4] (ab119048)

All lanes : Anti-MyD88 antibody [OTI1B4] (ab119048) at 1/2000 dilution

Lane 1 : HEK293T lysate transfected with pCMV6-ENTRY control cDNA
Lane 2 : HEK293T lysate transfected with pCMV6-ENTRY MyD88 cDNA

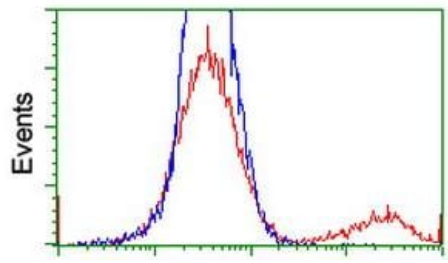
Lysates/proteins at 5 µg per lane.

Predicted band size: 33 kDa



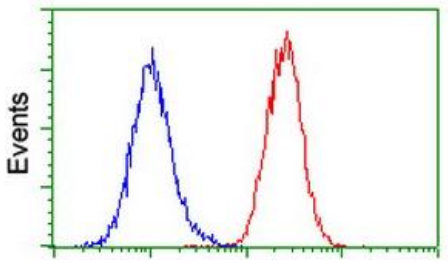
Immunocytochemistry/ Immunofluorescence - Anti-MyD88 antibody [OTI1B4] (ab119048)

ab119048 at 1/100 dilution staining MyD88 in COS7 cells transiently transfected with pCMV6-ENTRY MyD88 by Immunofluorescence.



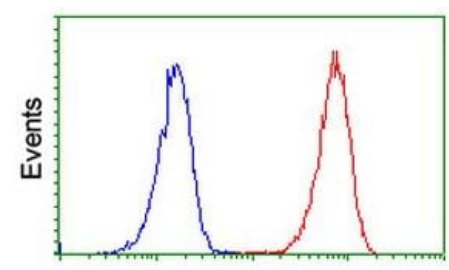
Flow Cytometry (Intracellular) - Anti-MyD88 antibody [OTI1B4] (ab119048)

ab119048 at 1/100 dilution, staining MyD88 in HEK293T cells transfected with pCMV6-ENTRY MyD88 overexpress plasmid(Red), or an empty vector control plasmid (Blue) by Flow Cytometry (Intracellular).



Flow Cytometry (Intracellular) - Anti-MyD88 antibody [OTI1B4] (ab119048)

ab119048 at 1/100 dilution staining MyD88 in HeLa cells by Flow cytometry (Intracellular) (Red) compared to a nonspecific negative control antibody (Blue).



Flow Cytometry (Intracellular) - Anti-MyD88 antibody [OTI1B4] (ab119048)

ab119048 at 1/100 dilution staining MyD88 in Jurkat cells by Flow cytometry (Intracellular) (Red) compared to a nonspecific negative control antibody (Blue).

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