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Product datasheet

Anti-MyD88 antibody [OTI1B4] ab119048

KO 評価済

1 References　画像数 6

製品の概要

製品名	Anti-MyD88 antibody [OTI1B4]
製品の詳細	Mouse monoclonal [OTI1B4] to MyD88
由来種	Mouse
アプリケーション	**適用あり:** Flow Cyt (Intra), WB, ICC/IF
種交差性	**交差種:** Human, Recombinant fragment
免疫原	Recombinant full length protein corresponding to Human MyD88. Database link: **Q99836**
ポジティブ・コントロール	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.
特記事項	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

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 1% BSA, 50% Glycerol, PBS
精製度	Affinity purified

特記事項（精製）	Purified from cell culture supernatant by affinity chromatography
ポリ/モノ	モノクローナル
クローン名	OTI1B4
アイソタイプ	IgG2a

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab119048の使用に適用されます**

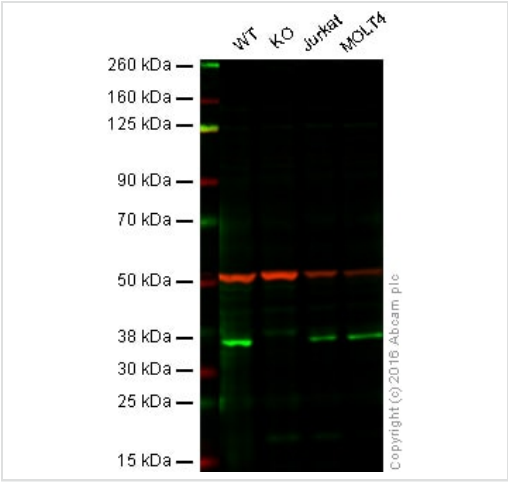
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

ターゲット情報

機能	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.
組織特異性	Ubiquitous.
関連疾患	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.
配列類似性	Contains 1 death domain. Contains 1 TIR domain.
ドメイン	The intermediate domain (ID) is required for the phosphorylation and activation of IRAK.
細胞内局在	Cytoplasm.

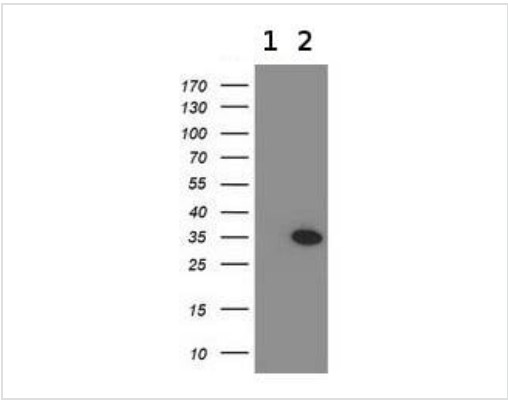
画像



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.



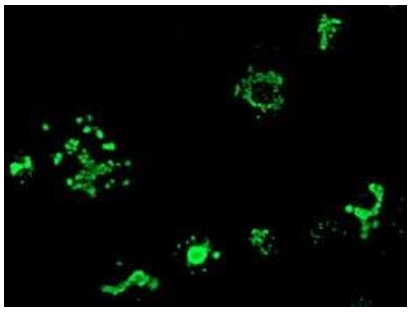
Western blot - Anti-MyD88 antibody [OTI1B4] (ab119048)

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

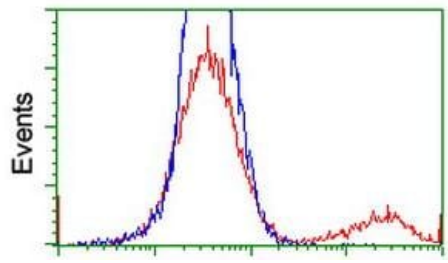
Lysates/proteins at 5 µg per lane.

Predicted band size: 33 kDa



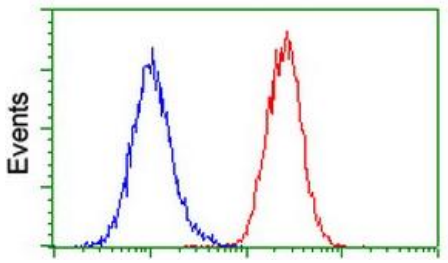
Immunocytochemistry/ Immunofluorescence - Anti-MyD88 antibody [OTI1B4] (ab119048)

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



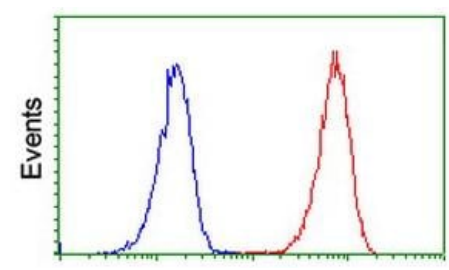
Flow Cytometry (Intracellular) - Anti-MyD88 antibody [OTI1B4] (ab119048)

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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