

Product datasheet

Anti-MyD88 antibody [4D6] ab107585

KO 評価済

1 Abreviews 画像数 4

製品の概要

製品名	Anti-MyD88 antibody [4D6]
製品の詳細	Mouse monoclonal [4D6] to MyD88
由来種	Mouse
特異性	Expected to recognise Isoforms 1, 3, 4, 5, CRAa and CRAb.
アプリケーション	適用あり: WB, Flow Cyt, ICC/IF
種交差性	交差種: Human
免疫原	Synthetic peptide, corresponding to amino acids 50-100 of Human MyD88 (NP_002459).
ポジティブ・コントロール	human ovary, human prostate and Jurkat cell lysates and CF-7 cells.

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	Preservative: 0.05% Sodium azide Constituents: PBS, 0.05% BSA
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	4D6
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab107585** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

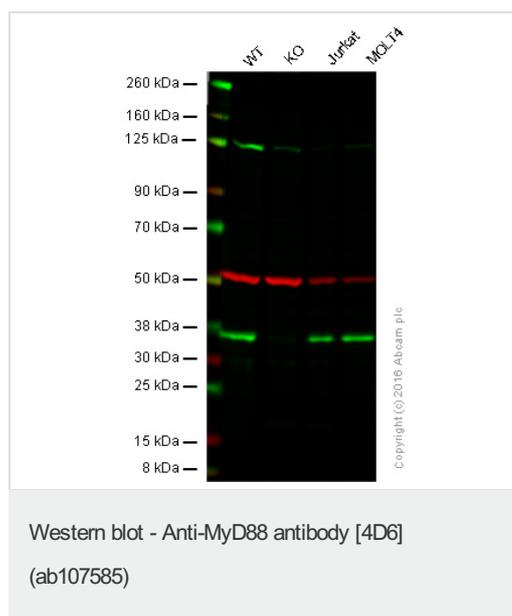
アプリケーション	Abreviews	特記事項
WB		Use a concentration of 5 - 7 µg/ml. Predicted molecular weight: 33 kDa.

アプリケーション	Abreviews	特記事項
Flow Cyt		Use 0.5µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
ICC/IF		Use a concentration of 5 µg/ml.

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



Lane 1: Wild-type HAP1 cell lysate (20 µg)

Lane 2: MyD88 knockout HAP1 cell lysate (20 µg)

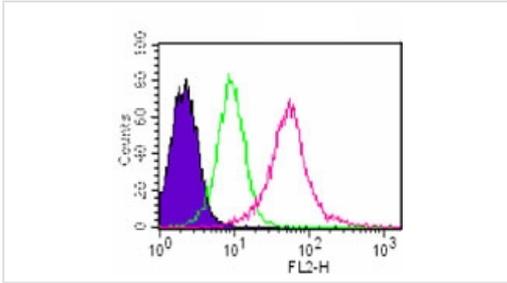
Lane 3: Jurkat cell lysate (20 µg)

Lane 4: MOLT4 cell lysate (20 µg)

Lanes 1 - 4: Merged signal (red and green). Green - ab107585 observed at 37 kDa. Red - loading control, [ab176560](#), observed at 52 kDa.

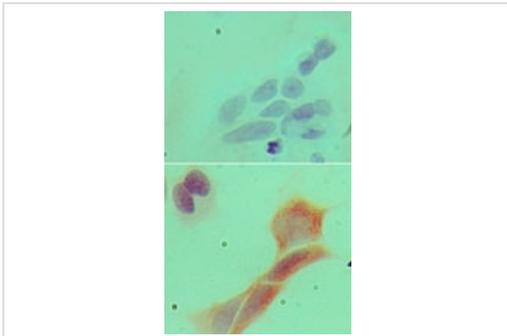
ab107585 was shown to recognize MyD88 when MyD88 knockout samples were used, along with additional cross-reactive bands. Wild-type and MyD88 knockout samples were subjected to SDS-PAGE. ab107585 and [ab176560](#) (loading control to alpha tubulin) were diluted 5 µg/mL and 1/10000 respectively and incubated overnight at 4°C. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) preadsorbed [ab216772](#) and Goat Anti-Rabbit IgG H&L (IRDye® 680RD) preadsorbed [ab216777](#) secondary antibodies at 1/10000 dilution for 1 hour at room

temperature before imaging.



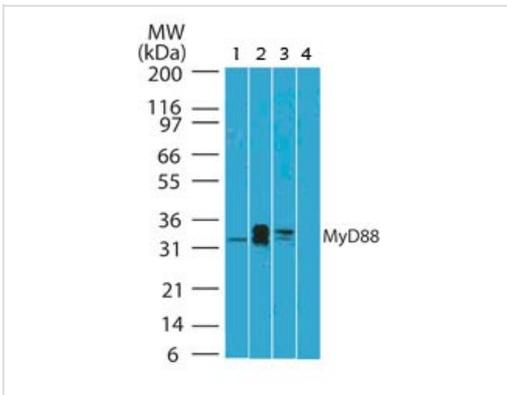
Flow Cytometry - Anti-MyD88 antibody [4D6]
(ab107585)

Intracellular flow cytometric analysis of MyD88 antibody (ab107585) in Jurkat cells (0.5 ug). Shaded histogram represents cells without antibody; green represents isotype control; red represents anti-MyD88 antibody. Secondary antibody- anti-mouse IgG PE conjugated.



Immunocytochemistry/ Immunofluorescence - Anti-MyD88 antibody [4D6] (ab107585)

Immunocytochemical analysis of MyD88 antibody (ab107585) in MCF-7 cells using an isotype control (top) and Myd88 Antibody (5 µg/ml; bottom).



Western blot - Anti-MyD88 antibody [4D6]
(ab107585)

All lanes : Anti-MyD88 antibody [4D6] (ab107585) at 5 µg/ml

Lane 1 : Human ovary cell lysate

Lane 2 : Human prostate cell lysate

Lane 3 : Jurkat cell lysate

Lane 4 : Jurkat cell lysate with Immunizing peptide

Secondary

All lanes : Goat anti-mouse Ig HRP

Predicted band size: 33 kDa

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