

### Anti-MyD88 antibody [4D6] ab107585

KO 評価済

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#### 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	<b>適用あり:</b> Flow Cyt (Intra), WB, ICC/IF
種交差性	<b>交差種:</b> 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. Flow Cyt (Intra): Jurkat cells
特記事項	<p>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.</p> <p>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&amp;As</p>

#### 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	<p>pH: 7.4</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: PBS, 0.05% BSA</p>
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

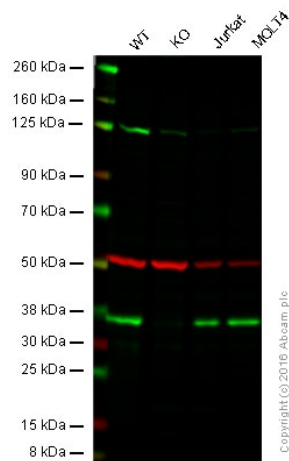
The Abpromise guarantee      Abpromise保証は、 次のテスト済みアプリケーションにおけるab107585の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use 0.5µg for 10 <sup>6</sup> cells. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB		Use a concentration of 5 - 7 µg/ml. Predicted molecular weight: 33 kDa.
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



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

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

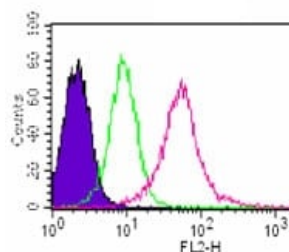
**Lane 2:** MyD88 knockout HAP1 cell lysate (20 µg)

**Lane 3:** Jurkat cell lysate (20 µg)

**Lane 4:** MOLT4 cell lysate (20 µg)

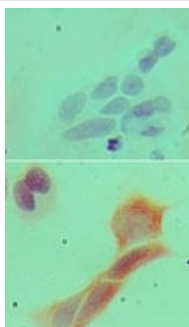
**Lanes 1 - 4:** Merged signal (red and green). Green - ab107585 observed at 37 kDa. Red - loading control, **ab176560**, observed at 52 kDa.

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.



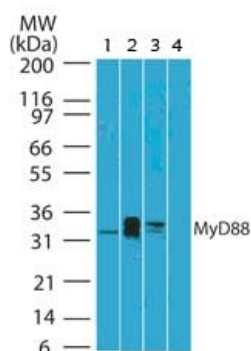
Flow Cytometry (Intracellular) - Anti-MyD88 antibody  
[4D6] (ab107585)

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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