

## 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     | <b>適用あり:</b> WB, Flow Cyt, 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.                |

### 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<br>Constituents: 0.05% BSA, PBS                               |
| 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.

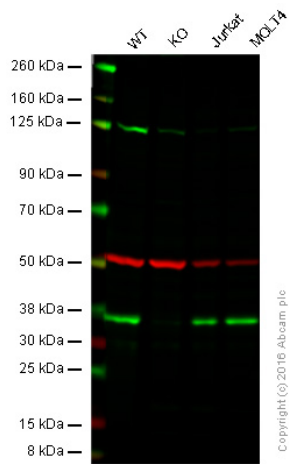
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| 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.   |
| Flow Cyt |           | Use 0.5µg for 10 <sup>6</sup> cells.<br><a href="#">ab170190</a> - 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.<br>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)

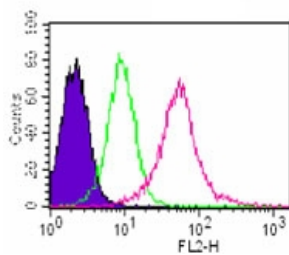
**Lane 3:** Jurkat cell lysate (20 µg)

**Lane 4:** MOLT4 cell lysate (20 µg)

**Lanes 1 - 4:** Merged signal (red and green).

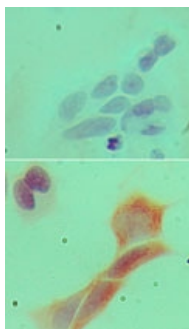
Green - ab107585 observed at 37 kDa. Red - loading control, ab176560, observed at 52 kDa.

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.



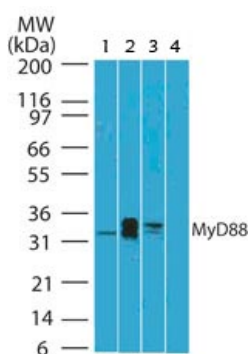
Flow Cytometry - Anti-MyD88 antibody [4D6] (ab107585)

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



Immunocytochemistry - 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 - 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

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.co.jp/abpromise> or contact our technical team.

### Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors