

## Product datasheet

# Anti-MRP8 antibody [2C5/4] ab19860

### 画像数 2

#### 製品の概要

|              |  |
|--------------|--|
| 製品名          | Anti-MRP8 antibody [2C5/4]   |
| 製品の詳細        | Mouse monoclonal [2C5/4] to MRP8   |
| 由来種          | Mouse  |
| アプリケーション     | <b>適用あり:</b> Flow Cyt, IHC-P, ELISA, WB                                    |
| 種交差性         | <b>交差種:</b> Human  |
| 免疫原          | Recombinant human MRP8   |
| ポジティブ・コントロール | Positive control: neutrophil lysate (particularly neutrophils from spleen) |

#### 製品の特性

|        |  |
|--------|--|
| 製品の状態  | Liquid   |
| 保存方法   | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| バッファー  | Preservative: None<br>Constituents: PBS  |
| ポリ/モノ  | モノクローナル  |
| クローン名  | 2C5/4  |
| ミエローマ  | Sp2/0-Ag14   |
| アイソタイプ | IgG1   |

#### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab19860** in the following tested applications.

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

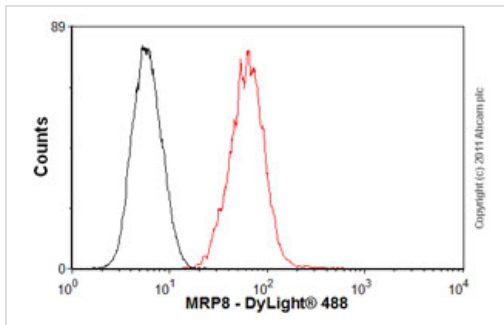
| アプリケーション | Abreviews | 特記事項 |
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| アプリケーション | Abreviews | 特記事項  |
|----------|-----------|---|
| Flow Cyt |           | Use 1µg for 10 <sup>6</sup> cells.<br><a href="#">ab170190</a> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody. |
| IHC-P    |           | Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.    |
| ELISA    |           | Use at an assay dependent concentration.  |
| WB       |           | Use at an assay dependent concentration. Detects a band of approximately 8 kDa.   |

## ターゲット情報

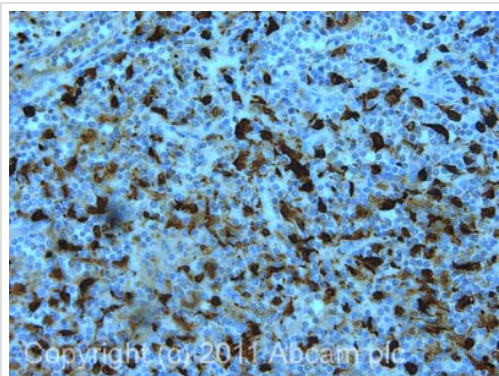
|       |   |
|-------|---|
| 機能    | Calcium-binding protein. Has antimicrobial activity towards bacteria and fungi. Important for resistance to invasion by pathogenic bacteria. Up-regulates transcription of genes that are under the control of NF-kappa-B. Plays a role in the development of endotoxic shock in response to bacterial lipopolysaccharide (LPS) (By similarity). Promotes tubulin polymerization. Promotes phagocyte migration and infiltration of granulocytes at sites of wounding. Plays a role as pro-inflammatory mediator in acute and chronic inflammation and up-regulates the release of IL8 and cell-surface expression of ICAM1. Extracellular calprotectin binds to target cells and promotes apoptosis. Antimicrobial and proapoptotic activity is inhibited by zinc ions. |
| 組織特異性 | Expressed by macrophages in chronic inflammations. Also expressed in epithelial cells constitutively or induced during dermatoses.  |
| 配列類似性 | Belongs to the S-100 family.<br>Contains 2 EF-hand domains.   |
| 細胞内局在 | Secreted. Cytoplasm. Cytoplasm > cytoskeleton. Cell membrane. Associates with tubulin filaments in activated monocytes. Targeted to the cell surface upon calcium influx. Released from blood leukocytes upon exposure to CSF2/GM-CSF, bacterial lipopolysaccharide (LPS) and during inflammatory processes. Serum levels are high in patients suffering from chronic inflammation.   |

## 画像



Flow Cytometry - Anti-MRP8 antibody [2C5/4] (ab19860)

Overlay histogram showing THP1 cells stained with ab19860 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab19860, 1µg/1x10<sup>6</sup> cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (ab91353, 2µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in THP1 cells fixed with 4% paraformaldehyde/permeabilized in 0.1% PBS-Tween used under the same conditions.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MRP8 antibody [2C5/4] (ab19860)

IHC image of ab19860 staining in human normal lymphoid formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with EDTA (pH9, epitope retrieval solution 2) for 20 mins. The section was then incubated with ab19860, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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