Datasheet: MCA2059

**Description:** MOUSE ANTI HUMAN CD88

**Specificity:** CD88

**Other names:** C5aR

**Format:** Purified

**Product Type:** Monoclonal Antibody

**Clone:** P12/1

**Isotype:** IgG2a

**Quantity:** 0.2 mg

**Applications**

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
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<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>1/50 - 1/100</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**Target Species**

Human

**Species Cross Reactivity**

Reacts with: Rhesus Monkey

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

**Product Form**

Purified IgG - liquid

**Preparation**

Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution: Phosphate buffered saline

Preservative Stabilisers: 0.09% sodium azide (NaN₃)

Carrier Free: Yes

Approx. Protein Concentrations: IgG concentration 1 mg/ml

Immunogen: C5aR - peptide: Met₁ - Asn₃₁

External Database Links:
- UniProt: P21730 Related reagents
- Entrez Gene: 728 C5AR1 Related reagents

Synonyms: C5AR, C5R1

RRID: AB_566906

Fusion Partners: Spleen cells from immunised BALB/c mice were fused with cells of the mouse X63 - Ag8 myeloma cell line.

Specificity: Mouse anti Human CD88 antibody, clone P12/1 recognizes the C5a receptor (C5aR) also known as CD88 or C5a anaphylatoxin chemotactic receptor 1. CD88 is predominantly expressed on cells of the myeloid lineage.

When C5aR is preincubated with C5a, Mouse anti Human CD88 antibody, clone P12/1 does not bind to the receptor, as the binding site of P12/1 is located in the C5a binding region (Werfel et al. 1996 and Weinman et al. 2003)

Flow Cytometry: Use 10μl of the suggested working dilution to label 5 x 10⁵ cells in 100μl

References:

Further Reading

Storage
This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee
12 months from date of despatch

Health And Safety
Material Safety Datasheet documentation #10040 available at:
**Recommended Products**

**Recommended Secondary Antibodies**

- Goat Anti Mouse IgG (STAR77...)  
  **HRP**
- Rabbit Anti Mouse IgG (STAR12...)  
  **RPE**
- Goat Anti Mouse IgG (STAR70...)  
  **FITC**
- Goat Anti Mouse IgG IgA IgM (STAR87...)  
  **Alk. Phos., HRP**
- Goat Anti Mouse IgG (STAR76...)  
  **RPE**
- Goat Anti Mouse IgG (H/L) (STAR117...)  
  **Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP**
- Rabbit Anti Mouse IgG (STAR13...)  
  **HRP**
- Goat Anti Mouse IgG (Fc) (STAR120...)  
  **FITC, HRP**
- Rabbit Anti Mouse IgG (STAR9...)  
  **FITC**

**Recommended Negative Controls**

- MOUSE IgG2a NEGATIVE CONTROL (MCA929)

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For research purposes only

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**Information**


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