Datasheet: MCA2456

Description: RAT ANTI MOUSE CD88

Specificity: CD88

Other names: C5aR

Format: Purified

Product Type: Monoclonal Antibody

Clone: 10/92

Isotype: IgG2a

Quantity: 0.25 mg

Product Details

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.

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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>Flow Cytometry</td>
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Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Target Species  Mouse

Product Form  Purified IgG - liquid

Preparation  Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution  Phosphate buffered saline

Preservative Stabilisers  0.09% Sodium Azide

Carrier Free  Yes

Approx. Protein Concentrations  IgG concentration 1.0 mg/ml
**Immunogen**
RBL-2H3 transfected cells expressing murine C5aR.

**External Database Links**
- UniProt: P30993
- Related reagents

**Entrez Gene**
- 12273 C5ar1
- Related reagents

**Synonyms**
C5ar, C5r1

**Fusion Partners**
Cells from immunised Lou/c rats were fused with cells of the X63-Ag8.653 myeloma cell line.

**Specificity**
Rat anti Mouse CD88 antibody, clone 10/92 recognizes murine CD88, a 45 kDa G-protein coupled cell surface receptor, otherwise known as C5aR. The CD88 molecule functions as a receptor for the complement component C5a, a potent proinflammatory molecule and chemoattractant for neutrophils to sites of infection. In mouse, CD88 is expressed on granulocytes, monocytes and macrophages but not on resting or stimulated lymphocytes.

Rat anti Mouse CD88 antibody, clone 10/92 does not block the binding of the C5a to murine CD88 (Souri et al. 2003).

**Flow Cytometry**
Use 10ul of the suggested working dilution to label 1x10^6 cells in 100ul.

Method sheets available on request.

**References**

**Storage**
Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life**  
18 months from date of despatch.

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

**Regulatory**  
For research purposes only

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**Recommended Products**

**Recommended Secondary Antibodies**

- Rabbit Anti Rat IgG (STAR16...)
- Goat Anti Rat IgG (STAR73...)
- Rabbit Anti Rat IgG (STAR21...)
- Rabbit Anti Rat IgG (STAR17...)
- Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)
- Goat Anti Rat IgG (STAR131...)
- Goat Anti Rat IgG (STAR69...)
- Goat Anti Rat IgG (STAR72...)

**DyLight®800**

- RPE
- HRP
- FITC

**DyLight®649**

- Alk. Phos., Biotin

**Recommended Negative Controls**

- RAT IgG2a NEGATIVE CONTROL (MCA1212)

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