Datasheet: MCA2456A488

**Description:** RAT ANTI MOUSE CD88: Alexa Fluor® 488

**Specificity:** CD88

**Other names:** C5aR

**Format:** ALEXA FLUOR® 488

**Product Type:** Monoclonal Antibody

**Clone:** 10/92

**Isotype:** IgG2a

**Quantity:** 100 TESTS/1ml

**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>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
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<td></td>
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<td></td>
<td>Neat</td>
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Flow Cytometry

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 conjugated to Alexa Fluor® 488 - liquid

**Max Ex/Em**

<table>
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<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tbody>
<tr>
<td>Alexa Fluor®488</td>
<td>495</td>
<td>519</td>
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**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

1% Bovine Serum Albumin

**Approx. Protein Concentrations**

IgG concentration 0.05 mg/ml

**Immunogen**

RBL-2H3 transfected cells expressing murine C5aR.

**External Database Links**

UniProt: [P30993](http://www.uniprot.org/uniprot/P30993)  Related reagents
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.

The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. This may be reduced by using SeroBlock FcR (BUF041A/B/C).

**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. This product is photosensitive and should be protected from light.
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.

**Acknowledgements**
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**Health And Safety Information**
Material Safety Datasheet documentation #10041 available at:

**Regulatory**
For research purposes only

**Related Products**

**Recommended Negative Controls**

**RAT IgG2a NEGATIVE CONTROL-Alexa Fluor® 488 (MCA1212A488)**

**Recommended Useful Reagents**

**MOUSE SEROBLOCK FcR (BUF041A)**
**MOUSE SEROBLOCK FcR (BUF041B)**