Datasheet: MCA2059A488

Description: MOUSE ANTI HUMAN CD88:Alexa Fluor® 488

Specificity: CD88

Other names: C5aR

Format: ALEXA FLUOR® 488

Product Type: Monoclonal Antibody

Clone: P12/1

Isotype: IgG2a

Quantity: 100 TESTS/1ml

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.

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

Product Form

Purified IgG conjugated to Alexa Fluor 488 - liquid

Max Ex/Em

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

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 (NaN₃)

1% Bovine Serum Albumin

Approx. Protein Concentrations

IgG concentration 0.05 mg/ml

Immunogen

C5aR - peptide: Met₁ - Asn₃₁
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.

Mouse anti Human CD88 antibody, clone P12/1 does not inhibit the binding of C5a to its receptor.

Flow Cytometry

Use 10ul of the suggested working dilution to label 10^6 cells in 100ul

References

15. Pollok-Kopp B et al. (2007) Dynamics of protein kinase C-mediated phosphorylation of the


### 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**

MOUSE IgG2a NEGATIVE CONTROL: Alexa Fluor® 488 (MCA929A488)

**Recommended Useful Reagents**

HUMAN SEROBLOCK (BUF070A)

HUMAN SEROBLOCK (BUF070B)

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