Datasheet: MCA2059FT

Description: MOUSE ANTI HUMAN CD88:FITC

Specificity: CD88

Other names: C5aR

Format: FITC

Product Type: Monoclonal Antibody

Clone: P12/1

Isotype: IgG2a

Quantity: 25 µg

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>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
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<tr>
<td>Flow Cytometry</td>
<td>*</td>
<td></td>
<td></td>
<td>1/10</td>
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</table>

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

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 Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
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<tbody>
<tr>
<td>FITC</td>
<td>490</td>
<td>525</td>
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</tbody>
</table>

Preparation

Purified IgG prepared by ion exchange chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide

1% Bovine Serum Albumin

Approx. Protein Concentrations

IgG concentration 0.1 mg/ml

Immunogen

C5aR - peptide: Met₁ - Asn₃₁
<table>
<thead>
<tr>
<th>External Database Links</th>
<th>UniProt: P21730</th>
<th>Related reagents</th>
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<tbody>
<tr>
<td>Entrez Gene:</td>
<td>728 C5AR1</td>
<td>Related reagents</td>
</tr>
</tbody>
</table>

**Synonyms**
C5AR, C5R1

**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.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. 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.

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:FITC (MCA929F)

Recommended Useful Reagents
HUMAN SEROBLOCK (BUF070A)
HUMAN SEROBLOCK (BUF070B)