Datasheet: MCA2059PE

Description: MOUSE ANTI HUMAN CD88:RPE

Specificity: CD88

Other names: C5aR

Format: RPE

Product Type: Monoclonal Antibody

Clone: P12/1

Isotype: IgG2a

Quantity: 100 TESTS

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>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td>Neat</td>
</tr>
</tbody>
</table>

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 R. Phycoerythrin (RPE) - lyophilized

Reconstitution

Reconstitute with 1.0 ml distilled water

Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.

Max Ex/Em

<table>
<thead>
<tr>
<th>Fluorophore</th>
<th>Excitation Max (nm)</th>
<th>Emission Max (nm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPE 488nm laser</td>
<td>496</td>
<td>578</td>
</tr>
</tbody>
</table>

Preparation

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

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

1% Bovine Serum Albumin

5% Sucrose

Immunogen

C5aR - peptide: Met₁ - Asn₃₁
<table>
<thead>
<tr>
<th><strong>Fusion Partners</strong></th>
<th>Spleen cells from immunised BALB/c mice were fused with cells of the mouse X63-Ag8 myeloma cell line.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Specificity</strong></td>
<td><strong>Mouse anti Human CD88 antibody, clone P12/1</strong> recognizes the C5a receptor (C5aR) also known as C5AR 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.</td>
</tr>
<tr>
<td><strong>Flow Cytometry</strong></td>
<td>Use 10ul of the suggested working dilution to label 10^6 cells or 100ul whole blood</td>
</tr>
</tbody>
</table>


**Storage**

Prior to reconstitution store at +4°C.

After reconstitution store at +4°C.

DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light.

**Shelf Life**

12 months from date of reconstitution

**Health And Safety Information**


**Regulatory**

For research purposes only

**Related Products**

**Recommended Negative Controls**

MOUSE IgG2a NEGATIVE CONTROL:RPE (MCA929PE)

**Recommended Useful Reagents**

HUMAN SEROBLOCK (BUF070A)

HUMAN SEROBLOCK (BUF070B)