Datasheet: MCA1268PE

Description: MOUSE ANTI HUMAN CD39:RPE
Specificity: CD39
Format: RPE
Product Type: Monoclonal Antibody
Clone: A1
Isotype: IgG1
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>Target Species</th>
<th>Human</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Form</td>
<td>Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized</td>
</tr>
<tr>
<td>Reconstitution</td>
<td>Reconstitute with 1 ml distilled water</td>
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<tr>
<td>Max Ex/Em</td>
<td>Fluorophore: RPE 488nm laser</td>
</tr>
<tr>
<td></td>
<td>Excitation Max (nm): 496</td>
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<tr>
<td></td>
<td>Emission Max (nm): 578</td>
</tr>
<tr>
<td>Preparation</td>
<td>Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant</td>
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<tr>
<td>Buffer Solution</td>
<td>Phosphate buffered saline</td>
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<tr>
<td>Preservative Stabilisers</td>
<td>0.09% Sodium Azide</td>
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<tr>
<td></td>
<td>1% Bovine Serum Albumin</td>
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<tr>
<td></td>
<td>5% Sucrose</td>
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<tr>
<td>Immunogen</td>
<td>PHA activated human lymphocytes</td>
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</tbody>
</table>

External Database Links

UniProt: P49961

Entrez Gene:
Synonyms
CD39

Fusion Partners
Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line

Specificity
Mouse anti Human CD39, clone A1 recognizes the human CD39 cell surface antigen, a ~70-100 kDa molecule expressed on peripheral blood B cells, T cells and monocytes, and weakly expressed by granulocytes.

CD39 has intrinsic ecto-ATPase activity (Wang et al. 1996), and expression can be induced on T cells and increased on B cells, as a late activation antigen (Maliszewski et al. 1994).

Mouse anti Human CD39, clone A1 has been shown to block MHC independent target cell recognition by hapten-specific CTL (Stockl et al. 2001).

Flow Cytometry
Use 10ul of the suggested working dilution to label $10^6$ cells or 100ul whole blood

References

Storage
Prior to reconstitution store at +4°C. Following reconstitution store at +4°C.

This product should be stored undiluted.

DO NOT FREEZE. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life
12 months from date of reconstitution.

Health And Safety Information
Material Safety Datasheet documentation #10075 available at:

Regulatory
For research purposes only

Related Products

Recommended Negative Controls
MOUSE IgG1 NEGATIVE CONTROL:RPE (MCA928PE)

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