Datasheet: MCA1268PET

Description: MOUSE ANTI HUMAN CD39:RPE

Specificity: CD39

Format: RPE

Product Type: Monoclonal Antibody

Clone: A1

Isotype: IgG1

Quantity: 25 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>
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<tbody>
<tr>
<td>Flow Cytometry</td>
<td>-</td>
<td></td>
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<td>Neat</td>
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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

Product Form Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized

Reconstitution Reconstitute in 0.25 ml disilled water

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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<tr>
<td>RPE 488nm laser</td>
<td>496</td>
<td>578</td>
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Preparation Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.09% Sodium Azide 1% Bovine Serum Albumin 5% Sucrose

Immunogen PHA activated human lymphocytes

External Database Links

UniProt: P49961 Related reagents

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


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)