### 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](http://www.bio-rad-antibodies.com/protocols).

<table>
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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>Flow Cytometry</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 with 1 ml distilled water

**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](http://www.uniprot.org/uniprot/P49961) Related reagents
  - **Entrez Gene:**
    - 953 ENTPD1 Related reagents

**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 (Scholzen et al. 2009).

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

References
16. Glenn, J.R. et al. (2008) Raised levels of CD39 in leucocytosis result in marked inhibition of

### 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)

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