Datasheet: MCA1268GA

Product Details

Description: MOUSE ANTI HUMAN CD39
Specificity: CD39
Format: Purified
Product Type: Monoclonal Antibody
Clone: A1
Isotype: IgG1
Quantity: 0.1 mg

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.

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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 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

Product Form

Purified IgG - liquid

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

Carrier Free

Yes

Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

Immunogen

PHA activated human lymphocytes
### External Database Links

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<th>UniProt:</th>
<th>Related reagents</th>
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<th>Entrez Gene:</th>
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### 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.

### References
13. Alam, M.S. *et al.* (2009) CD73 is expressed by human regulatory T helper cells and suppresses


Storage

Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. 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 #10040 available at:

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP
Goat Anti Mouse IgG (STAR77...) HRP
Rabbit Anti Mouse IgG (STAR12...) RPE
Rabbit Anti Mouse IgG (STAR8...) DyLight®680
Rabbit Anti Mouse IgG (STAR13...) HRP
Goat Anti Mouse IgG (STAR76...) RPE
Goat Anti Mouse IgG (STAR70...) FITC
Goat Anti Mouse IgG (Fc) (STAR120...) FITC, HRP
Rabbit Anti Mouse IgG (STAR9...) FITC
Goat Anti Mouse IgG (H/L) (STAR117...) Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)