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.biobrad-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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<tbody>
<tr>
<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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<td>Immunofluorescence</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 (NaN₃)
Carrier Free: Yes
Approx. Protein Concentrations
IgG concentration 1.0 mg/ml

Immunogen
PHA activated human lymphocytes

External Database Links
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 (*Stockl et al. 2001*).

Flow Cytometry
Use 10μl of the suggested working dilution to label 10^6 cells

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

Storage
This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee
12 months from date of despatch

Health And Safety Information
Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA1268GA 10040

Regulatory
For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) HRP
Rabbit Anti Mouse IgG (STAR12...) RPE
Goat Anti Mouse IgG (STAR70...) FITC
Goat Anti Mouse IgG IgA IgM (STAR87...) Alk. Phos., HRP
Goat Anti Mouse IgG (STAR76...) RPE
Goat Anti Mouse IgG (H/L) (STAR117...) Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800.
Goat Anti Mouse IgG (Fc) (STAR120...)  FITC, HRP
Rabbit Anti Mouse IgG (STAR13...)  HRP
Rabbit Anti Mouse IgG (STAR9...)  FITC

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M408957:221015'

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