

## Mouse CD39 Monoclonal Antibody | anti-CD39 antibody

MOUSE ANTI HUMAN CD39

|                              |                      |                                                                             |
|------------------------------|----------------------|-----------------------------------------------------------------------------|
| CATALOG #<br><b>AAA49802</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Immunofluorescence, Flow Cytometry, Functional Assay</b> |
|------------------------------|----------------------|-----------------------------------------------------------------------------|

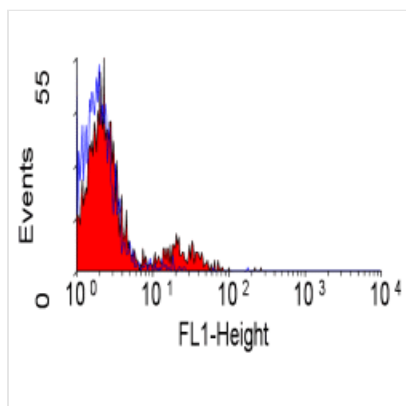
### PRODUCT SYNONYMS

CD39; Monoclonal Antibody; MOUSE ANTI HUMAN CD39; anti-CD39 antibody

### PRODUCT SPECIFICATIONS

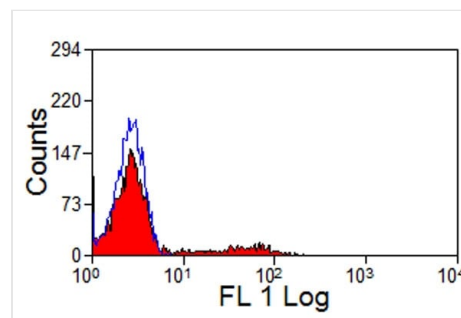
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|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                                                                         |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                                    |
| Isotype                                        | IgG1                                                                                                                                                                                                                                                                                                                                                          |
| Clone Number                                   | A1                                                                                                                                                                                                                                                                                                                                                            |
| Form/Format                                    | Purified<br>Purified IgG - liquid                                                                                                                                                                                                                                                                                                                             |
| Concentration                                  | IgG concentration 1.0 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                                                   |
| Sequence Length                                | 517                                                                                                                                                                                                                                                                                                                                                           |
| Applicable Applications for anti-CD39 antibody | IF (Immunofluorescence), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                            |
| Perservative Stabilisers                       | 0.09% Sodium Azide<br>Preparation                                                                                                                                                                                                                                                                                                                             |
| Buffer Solution                                | Phosphate buffered saline                                                                                                                                                                                                                                                                                                                                     |
| Target Species                                 | Human                                                                                                                                                                                                                                                                                                                                                         |
| Preparation and Storage                        | Store at 4 degree C or at -20 degree 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.<br>Shelf Life: 18 months from date of despatch |

### IMAGES



#### Application Data

Staining of human peripheral blood lymphocytes with Mouse anti Human CD39:FITC



#### Application Data

Staining of human peripheral blood lymphocytes with Mouse anti Human CD39 followed by Rabbit F(ab')2 anti Mouse IgG:FITC

ADDITIONAL INFORMATION

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| Related Product Information for anti-CD39 antibody | Mouse anti human CD39, clone A1 recognizes the human CD39 cell surface antigen, a ~70-100kDa molecule expressed on peripheral blood B cells, monocytes and T lymphocytes, and weakly 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). |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 147905700                                                                                                                                                                               |
| NCBI GeneID                      | 953                                                                                                                                                                                     |
| NCBI Accession #                 | NP_001091645.1                                                                                                                                                                          |
| NCBI GenBank Nucleotide #        | NM_001098175.1                                                                                                                                                                          |
| UniProt Accession #              | P49961; Q5T561; Q5T562; Q86VV3; Q9UQQ9; Q9Y3Q9; A9Z1X8; B4DWB9; B4E1X1; B7Z599; G3XAF6                                                                                                  |
| Molecular Weight                 | 59,325 Da                                                                                                                                                                               |
| NCBI Official Full Name          | ectonucleoside triphosphate diphosphohydrolase 1 isoform 2                                                                                                                              |
| NCBI Official Synonym Full Names | ectonucleoside triphosphate diphosphohydrolase 1                                                                                                                                        |
| NCBI Official Symbol             | ENTPD1                                                                                                                                                                                  |
| NCBI Official Synonym Symbols    | CD39; SPG64; ATPDase; NTPDase-1                                                                                                                                                         |
| NCBI Protein Information         | ectonucleoside triphosphate diphosphohydrolase 1; CD39 antigen; NTPDase 1; ecto-ATP diphosphohydrolase 1; ecto-ATPDase 1; ecto-ATPase 1; ecto-apyrase; lymphoid cell activation antigen |
| UniProt Protein Name             | Ectonucleoside triphosphate diphosphohydrolase 1                                                                                                                                        |
| UniProt Gene Name                | ENTPD1                                                                                                                                                                                  |
| UniProt Synonym Gene Names       | CD39; NTPDase 1; Ecto-ATPDase 1; Ecto-ATPase 1                                                                                                                                          |
| UniProt Entry Name               | ENTP1_HUMAN                                                                                                                                                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd39-antibody-clone-a1-immunofluorescence-flow-cytometry-elisa/49802>