

## Mouse anti-Human CD56 Monoclonal Antibody | anti-CD56 antibody

Mouse anti-Human CD56, FITC Conjugated mAb

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                         |
|-----------|-------|------------|------------------------------------------------------|
| AAA267024 | Mouse | Human      | Immunofluorescence, Flow Cytometry, Functional Assay |

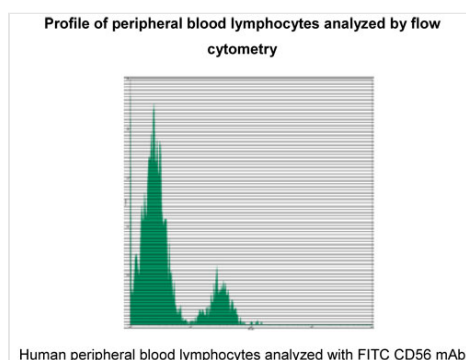
### PRODUCT SYNONYMS

CD56; Monoclonal Antibody; Mouse anti-Human CD56; FITC Conjugated mAb; anti-CD56 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Reactivity                                     | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Isotype                                        | IgG2a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Clone Number                                   | 4AMEM188                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Form/Format                                    | Phosphate-buffered solution, pH 7.4, containing 0.09% sodium azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sequence Length                                | 848                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Applicable Applications for anti-CD56 antibody | IF (Immunofluorescence), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Experimental Methods                           | <ol style="list-style-type: none"> <li>1.Take 100mul peripheral blood anticoagulated by EDTA and add to the bottom of 5ml tube;</li> <li>2.Add 10mul labeled antibody to the bottom of flow tube mixing with the whole blood, incubate for 20 minutes at room temperature away from light;</li> <li>3.Add 2 ml1×RBC lysis buffer, incubate for 10 minutes away from light after mixing, dissolve red blood cells (recommended: RBC lysing Solution 10×);</li> <li>4.Sample tube is set to 1000 rpm centrifugation for 5 minutes, discard the supernatant;</li> <li>5.Add 2 ml PBS wash buffer to resuspend the cells, then1000 rpm centrifugation for 5 minutes, discard the supernatant;</li> <li>6.Add 0.5 ml PBS wash buffer to resuspend the cells and detect by flow cytometry (sample should be determined on the day on the machine and can also be added fixation overnight at 4 degree C then measured).</li> </ol> <p>[PBS wash buffer: PBS +1% FBS +0.1% NaN<sub>3</sub>]<br/>[Cell fixation: 2% formaldehyde solution]</p> |
| Preparation and Storage                        | Store at 4 degree C. DO NOT FREEZE. LIGHT SENSITIVE MATERIAL.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

### IMAGES



Application Data

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD56 antibody | 4AMEM188 reacts with CD56, a 175-220 kDa Neural Cell Adhesion Molecule (NCAM), expressed on 10-25% of peripheral blood lymphocytes, including all CD16+ NK cells and approximately 5% of CD3+ lymphocytes, referred to as NKT cells. It also is present at brain and neuromuscular junctions, certain LGL leukemias, small cell lung carcinomas, neuronally derived tumors, myeloma and myeloid leukemias. CD56 (NCAM) is involved in neuronal homotypic cell adhesion which is implicated in neural development, and in cell differentiation during embryogenesis. |
| References                                         | 1. Knapp, W et al., eds. (1989) Leucocyte Typing IV: White Cell Differentiation Antigens, Oxford University Press, New York. 2. Lanier LL. et al. (1991) J. Immunol. 146:4421-4426. 3. Campbell, JJ et al. (2001) J. Immunol. 166:6477-6482. 4. Cooper MD et al. (2001) Trends in Immunol. 22:633-640. 5. Galandrini R et al. (2002) Blood. 100:4581-4589.                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                         |           |
|-------------------------|-----------|
| NCBI GI #               | 158524860 |
| Molecular Weight        | 93,063 Da |
| NCBI Official Full Name | CD56      |
| UniProt Protein Name    | CD56      |
| UniProt Gene Name       | CD56      |

**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/cd56-antibody-clone-4amem188-immunofluorescence-flow-cytometry-elisa/267024>