

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

Anti-Hu CD56 FITC

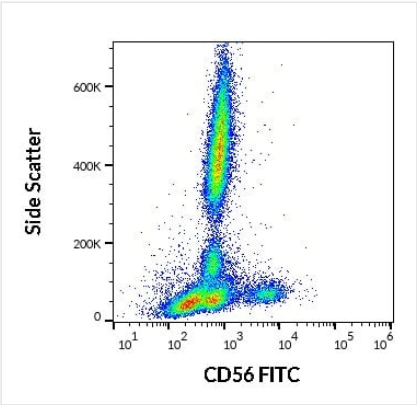
| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                     |
|-----------|-------|------------|----------------------------------|
| AAA128679 | Mouse | Human      | Flow Cytometry, Functional Assay |

### PRODUCT SYNONYMS

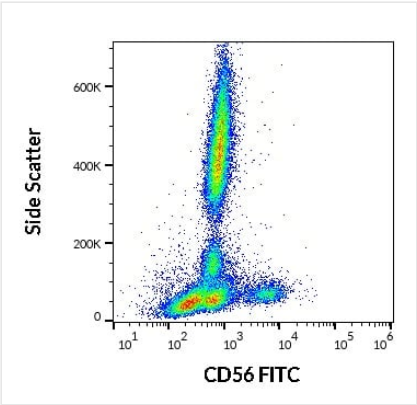
CD56; Monoclonal Antibody; Anti-Hu CD56 FITC; neural cell adhesion molecule 1; NCAM1; NCAM-1; MSK39; anti-CD56 antibody

### PRODUCT SPECIFICATIONS

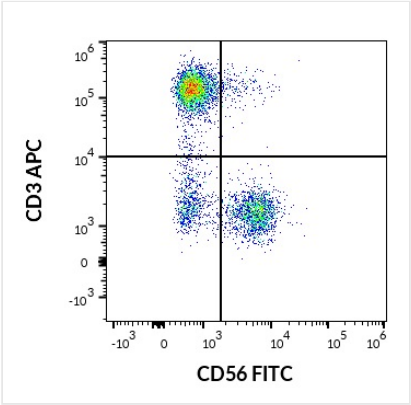
|                                                |                                                                                                                                                                                                          |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                    |
| Reactivity                                     | Human                                                                                                                                                                                                    |
| Clonality                                      | Monoclonal                                                                                                                                                                                               |
| Isotype                                        | IgG2a                                                                                                                                                                                                    |
| Clone Number                                   | LT56                                                                                                                                                                                                     |
| Specificity                                    | The mouse monoclonal antibody LT56 recognizes an extracellular epitope of CD56 (NCAM), a transmembrane glycoprotein expressed ubiquitously in the nervous system and found also on T cells and NK cells. |
| Purity/Purification                            | The purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.                                         |
| Form/Format                                    | Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide                                                                                                                       |
| Sequence Length                                | 858                                                                                                                                                                                                      |
| Applicable Applications for anti-CD56 antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                                |
| Immunogen                                      | Cell line KG1a                                                                                                                                                                                           |
| Conjugation                                    | FITC                                                                                                                                                                                                     |
| Preparation and Storage                        | Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.                                                                                                                     |



**FCM/FACS (Flow Cytometry)**  
Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD56 (LT56) FITC antibody (4 ul reagent / 100 ul of peripheral whole blood).



**FCM/FACS (Flow Cytometry)**  
Separation of human CD56 positive CD3 negative lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD56 (LT56) FITC antibody (4 ul reagent / 100 ul of peripheral whole blood).



**FCM/FACS (Flow Cytometry)**  
Flow cytometry multicolor surface staining pattern of human lymphocytes using anti-human CD3 (UCHT1) APC antibody (10 ul reagent / 100 ul of peripheral whole blood) and anti-human CD56 (LT56) FITC antibody (4 ul reagent / 100 ul of peripheral whole blood).

ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CD56 antibody</b> | CD56 (NCAM, neural cell adhesion molecule) is a transmembrane glycoprotein of immunoglobulin family serving as adhesive molecule which is ubiquitously expressed in nervous system, usually as 120 kDa, 140 kDa or 180 kDa isoform, and it is also found on T cells and NK cells. Polysialic modification results in reduction of CD56-mediated cell adhesion and is involved in cell migration, axonal growth, pathfinding and synaptic plasticity. CD56 is a widely used neuroendocrine marker with a high sensitivity for neuroendocrine tumours and ovarian granulosa cell tumours. |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                 |
|----------------------------------|---------------------------------|
| NCBI GI #                        | 205830665                       |
| NCBI GeneID                      | 4684                            |
| UniProt Accession #              | P13591                          |
| NCBI Official Full Name          | Neural cell adhesion molecule 1 |
| NCBI Official Synonym Full Names | neural cell adhesion molecule 1 |
| NCBI Official Symbol             | NCAM1                           |
| NCBI Official Synonym Symbols    | CD56; NCAM; MSK39               |

|                            |                                 |
|----------------------------|---------------------------------|
| NCBI Protein Information   | neural cell adhesion molecule 1 |
| UniProt Protein Name       | Neural cell adhesion molecule 1 |
| UniProt Gene Name          | <b>NCAM1</b>                    |
| UniProt Synonym Gene Names | NCAM; N-CAM-1; NCAM-1           |
| UniProt Entry Name         | NCAM1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd56-antibody-clone-1t56-flow-cytometry-elisa/128679>