

## CD56 monoclonal antibody

Catalog: MB65795

Host: Mouse

Reactivity: Human

### BackGround:

NCAM (neural cell adhesion molecule, CD56) is an adhesion glycoprotein with five extracellular immunoglobulin-like domains followed by two fibronectin type III repeats. Structural diversity is introduced by alternative splicing resulting in different cytoplasmic domains. NCAM mediates neuronal attachment, neurite extension, and cell-cell interactions through homo and heterophilic interactions. PSA (polysialic acid) post-translationally modifies NCAM and increases the metastatic potential of small cell lung carcinoma, Wilms+ tumor, neuroblastoma, and rhabdomyosarcoma. CD56 is commonly used along with CD3 and CD16 to identify human NK cells (Mouse NK cells do not express CD56). Human natural killer cells are CD3-CD56+. The large subset with high CD16 expression are mature cytotoxic natural killer cells, while those with low CD16 expression are immature precursors and cytokine producers.

### Product:

Mouse IgG2a kappa. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide.

### Molecular Weight:

~ 94 kDa

### Swiss-Prot:

P13591

### Purification&Purity:

The monoclonal antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IF (1/50 - 1/200)

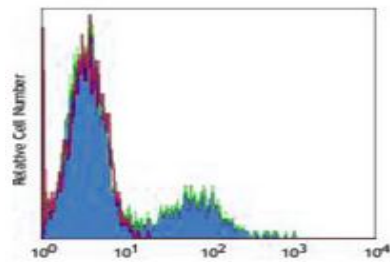
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes human CD56

### DATA:



Flow cytometric analysis of human peripheral blood lymphocytes using Anti-CD56 Antibody, followed by anti-mouse IgG PE.

### Note:

For research use only, not for use in diagnostic procedure.

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