# APC Mouse anti-Human CD56 mAb

Catalog No.: A22827



## **Basic Information**

**Observed MW** Refer to figures

Calculated MW 95kDa

Category Primary antibody

Applications FC

Cross-Reactivity Human

CloneNo number AMC0544

Conjugate APC. Ex:650nm. Em:660nm.

## **Recommended Dilutions**

10 µL/Test

FC

# Immunogen Information

**Gene ID** 4684

Swiss Prot P13591

#### Immunogen

Background

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

This gene encodes a cell adhesion protein which is a member of the immunoglobulin superfamily. The encoded protein is involved in cell-to-cell interactions as well as cell-matrix

interactions during development and differentiation. The encoded protein plays a role in the development of the nervous system by regulating neurogenesis, neurite outgrowth, and cell

and natural killer (NK) cells which play an important role in immune surveillance. This protein plays a role in signal transduction by interacting with fibroblast growth factor receptors, N-

migration. This protein is also involved in the expansion of T lymphocytes, B lymphocytes

cadherin and other components of the extracellular matrix and by triggering signalling

cascades involving FYN-focal adhesion kinase (FAK), mitogen-activated protein kinase (MAPK), and phosphatidylinositol 3-kinase (PI3K). One prominent isoform of this gene, cell

surface molecule CD56, plays a role in several myeloproliferative disorders such as acute

myeloid leukemia and differential expression of this gene is associated with differential disease progression. For example, increased expression of CD56 is correlated with lower

survival in acute myeloid leukemia patients whereas increased severity of COVID-19 is

correlated with decreased abundance of CD56-expressing NK cells in peripheral blood. Alternative splicing results in multiple transcript variants encoding distinct protein isoforms.

## Synonyms

CD56; NCAM; MSK39

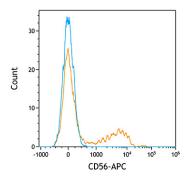
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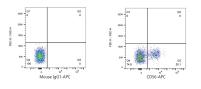
# **Product Information**

Source Mouse **Isotype** IgG1 **Purification** Affinity purification

## Storage

Store at 4°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.1% Proclin300,0.2% BSA,pH7.2.





Flow cytometry:1X10<sup>6</sup> Human PBMC were surface-stained with APC Mouse anti-Human CD56 mAb (A22827, orange line) or APC Mouse IgG1 isotype control mAb (A22879, blue line). Flow cytometry:1X10^6 Human PBMC were surface-stained with APC Mouse IgG1 isotype control mAb (A22879, left) or APC Mouse anti-Human CD56 mAb (A22827, right).