

# PE/Cyanine7 Rabbit anti-Mouse CD56/NCAM mAb

Catalog No.: A28173

## Basic Information

### Observed MW

### Calculated MW

119 kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse

### CloneNo number

ARC60214

### Conjugate

PE-Cy7. Ex:565nm. Em:778nm.

## Background

Predicted to enable LRR domain binding activity and phosphatase binding activity. Involved in commissural neuron axon guidance and regulation of semaphorin-plexin signaling pathway. Acts upstream of or within several processes, including homotypic cell-cell adhesion; positive regulation of calcium-mediated signaling; and regulation of exocyst assembly. Located in several cellular components, including external side of plasma membrane; growth cone; and neuronal cell body. Is expressed in several structures, including embryo mesenchyme; nervous system; sensory organ; skin; and urinary system. Human ortholog(s) of this gene implicated in bipolar disorder; middle cerebral artery infarction; and pancreatic cancer. Orthologous to human NCAM1 (neural cell adhesion molecule 1).

## Recommended Dilutions

FC ≤0.125 µg per million cells in 100 µl volume

## Immunogen Information

### Gene ID

17967

### Swiss Prot

P13595

### Immunogen

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

### Synonyms

CD56; Ncam; E-NCAM; NCAM-1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

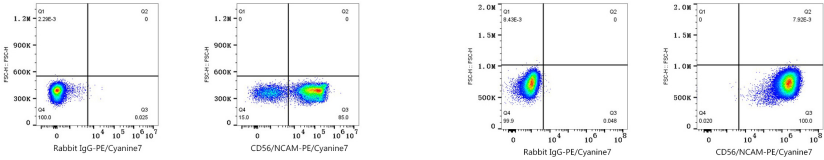
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

# Validation Data



Flow cytometry: 1X10<sup>6</sup> BALB/c bone marrow cells were surface-stained with PE/Cyanine7 Rabbit IgG isotype control (5 µl/Test,left) or PE/Cyanine7 Rabbit anti-Mouse CD56/NCAM mAb (A28173,0.125 µg,right).

Flow cytometry: 1X10<sup>6</sup> Neuro-2a cells were surface-stained with PE/Cyanine7 Rabbit IgG isotype control (5 µl/Test,left) or PE/Cyanine7 Rabbit anti-Mouse CD56/NCAM mAb (A28173,0.125 µg,right).