

# APC Rabbit anti-Human CD209/DC-SIGN mAb

Catalog No.: A23594

## Basic Information

### Observed MW

### Calculated MW

4kDa/18kDa/30kDa/33kDa/35kDa/37kDa/  
41kDa/43kDa/45kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Human

### CloneNo number

ARC60197-APC

### Conjugate

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

## Recommended Dilutions

FC 5  $\mu$ l per  $10^6$  cells in  
100  $\mu$ l volume

## Background

This gene encodes a C-type lectin that functions in cell adhesion and pathogen recognition. This receptor recognizes a wide range of evolutionarily divergent pathogens with a large impact on public health, including leprosy and tuberculosis mycobacteria, the Ebola, hepatitis C, HIV-1 and Dengue viruses, and the SARS-CoV acute respiratory syndrome coronavirus. The protein is organized into four distinct domains: a C-terminal carbohydrate recognition domain, a flexible tandem-repeat neck domain, a transmembrane region and an N-terminal cytoplasmic domain involved in internalization. This gene is closely related in terms of both sequence and function to a neighboring gene, CLEC4M (Gene ID: 10332), also known as L-SIGN. The two genes differ in viral recognition and expression patterns, with this gene showing high expression on the surface of dendritic cells. Polymorphisms in the neck region are associated with protection from HIV-1 infection, while single nucleotide polymorphisms in the promoter of this gene are associated with differing resistance and susceptibility to and severity of infectious disease, including rs4804803, which is associated with SARS severity.

## Immunogen Information

### Gene ID

30835

### Swiss Prot

Q9NNX6

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 59-404 of human CD209/DC-SIGN (NP\_066978.1).


### Synonyms

CDSIGN; CLEC4L; DC-SIGN; DC-SIGN1; hDC-SIGN

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

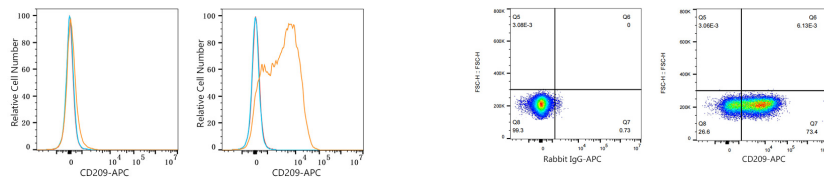
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

## Validation Data



Flow cytometry:  $1 \times 10^6$  293F cells (negative control, left) and THP-1 cells (right) were surface-stained with APC Rabbit anti-Human CD209/DC-SIGN mAb (A23594, 5  $\mu$ l/Test, orange line) or APC Rabbit IgG isotype control (5  $\mu$ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:  $1 \times 10^6$  THP-1 cells were surface-stained with APC Rabbit IgG isotype control (5  $\mu$ l/Test, left) or APC Rabbit anti-Human CD209/DC-SIGN mAb (A23594, 5  $\mu$ l/Test, right).