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PE Rabbit anti-Human CD209/DC-SIGN mAb

Catalog No.: A23593

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
ARC60195

Conjugate
PE. Ex:565nm. Em:574nm.

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.

Recommended Dilutions

FC	5 µl per 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
30835

Swiss Prot
Q9NNX6

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

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

Contact

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Product Information

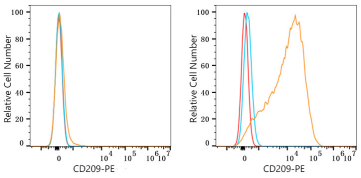
Source
Rabbit

Isotype
IgG

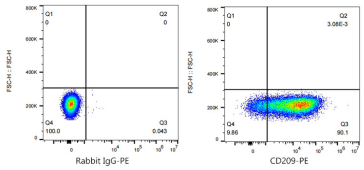
Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

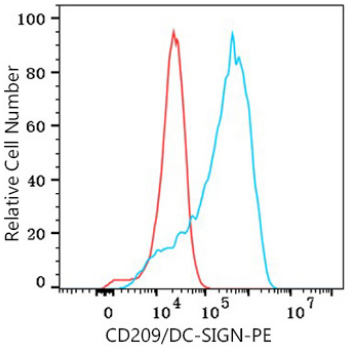
Validation Data



Flow cytometry: 1X10^6 293F cells (negative control,left) and THP-1 cells (right) were surface-stained with PE Rabbit anti-Human CD209/DC-SIGN mAb (A23593,5 µl/Test,orange line) or PE Rabbit IgG isotype control (A24172,5 µl/Test,blue line). Non-fluorescently stained cells was used as blank control (red line).



Flow cytometry:1X10^6 THP-1 cells were surface-stained with PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Human CD209/DC-SIGN mAb (A23593,5 µl/Test,right).



Flow cytometry: 1X10^6 Human PBMC (red line) and Human Monocyte-Derived Immature Dendritic cells (blue line) were surface-stained with PE Rabbit anti-Human CD209/DC-SIGN mAb (A23593,5 µl/Test).