

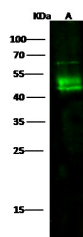
Recombinant DC-SIGN/CD209 Monoclonal Antibody

catalog number: AN300179P

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description	
Reactivity	Human
Immunogen	Recombinant Human DC-SIGN / CD209 protein
Host	Rabbit
Isotype	IgG
Clone	A1293
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS
Applications	
WB:	1:1000-1:5000

Data



Western Blot with DC-SIGN / CD209 Monoclonal Antibody
at dilution of 1:1000. Lane A: THP1 Whole Cell
Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW: 46 kDa

Calculated-MW: 46 kDa

Preparation & Storage	
Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

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. [provided by RefSeq, May 2020]

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