

Product datasheet for TA374424S

DC SIGN (CD209) Rabbit Polyclonal Antibody

Product data:

OriGene Technologies, Inc.

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Product Type:	Primary Antibodies
Applications:	ELISA, ICC/IF, WB
Recommended Dilution:	WB,1:500 - 1:1000 IF/ICC,1:50 - 1:200 ELISA,Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
lsotype:	IgG
Clonality:	Polyclonal
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	46kDa
Gene Name:	CD209 molecule
Database Link:	<u>Entrez Gene 30835 Human</u> <u>Q9NNX6</u>



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CRIGENE DC SIGN (CD209) Rabbit Polyclonal Antibody – TA374424S

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-
SICN. The two genes differ in viral recognition and evenescion patterns, with this gene

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.

Synonyms:

CDSIGN; CLEC4L; DC-SIGN; DC-SIGN1; MGC129965

Product images:



Western blot analysis of lysates from THP-1 cells

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Immunofluorescence analysis of U-937 cells using CD209 Rabbit pAb ([TA374424]) at dilution of 1:100 (40x lens). Secondary antibody: Cy3conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

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