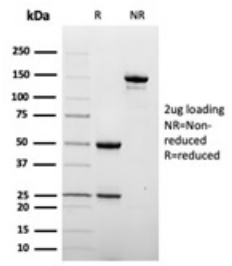
CD209 Antibody / DC-SIGN [clone C209/6774] (V9406)

Catalog No.	Formulation	Size
V9406-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9406-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9406SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	C209/6774
Purity	Protein A/G affinity
UniProt	Q9NNX6
Localization	Cell surface and secreted
Applications	Flow Cytometry : 1-2ug/million cells
Limitations	This CD209 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free CD209 antibody (clone C209/6774) as confirmation of integrity and purity.

Description

DC-SIGN/CD209 is a transmembrane receptor that is expressed on the surface of dendritic cells and macrophages. It is involved in the innate immune system and recognizes numerous evolutionarily divergent pathogens ranging from parasites to viruses. The protein is organized into three distinct domains: an N-terminal transmembrane domain, a tandem-repeat neck domain and C-type lectin carbohydrate recognition domain. The extracellular region consisting of the

C-type lectin and neck domains has a dual function as a pathogen recognition receptor and a cell adhesion receptor by binding carbohydrate ligands on the surface of microbes and endogenous cells. The neck region is important for homo-oligomerization, which allows the receptor to bind multivalent ligands with high avidity.

Application Notes

Optimal dilution of the CD209 antibody should be determined by the researcher.

Immunogen

A recombinant human DC-SIGN/CD209 protein fragment was used as the immunogen for the CD209 antibody.

Storage

Aliquot the CD209 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.