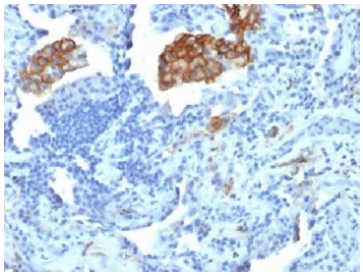
DC-SIGN Antibody / CD209 [clone C209/1781] (V3452)

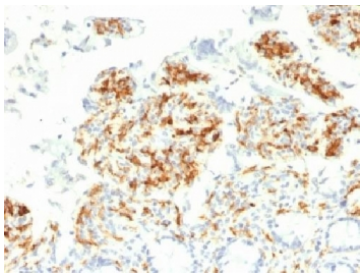
Catalog No.	Formulation	Size
V3452-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3452-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3452SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

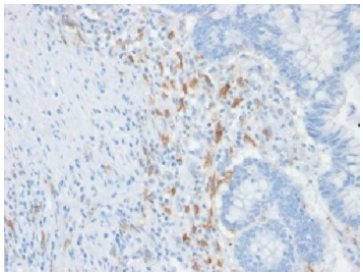
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	C209/1781
Purity	Protein G affinity chromatography
UniProt	Q9NNX6
Localization	Cytoplasmic, membranous, secreted
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT
Limitations	This DC-SIGN antibody is available for research use only.



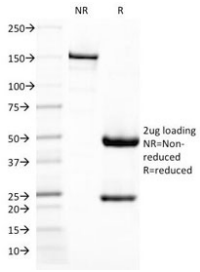
IHC testing of FFPE human lung carcinoma with DC-SIGN antibody (clone C209/1781). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20.



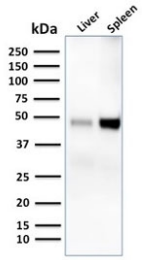
IHC testing of FFPE human small intestine with DC-SIGN antibody (clone C209/1781). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20.



IHC testing of FFPE human colon carcinoma with DC-SIGN antibody (clone C209/1781). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20.



SDS-PAGE Analysis of Purified, BSA-Free DC-SIGN Antibody (clone C209/1781). Confirmation of Integrity and Purity of the Antibody.



Western blot testing of human liver and spleen lysate with DC-SIGN antibody. Predicted molecular weight ~46 kDa.

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

Titering of the DC-SIGN antibody may be required for optimal performance.

Immunogen

A human partial recombinant protein was used as the immunogen for the DC-SIGN antibody.

Storage

Store the DC-SIGN antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).