

36-2465: Anti-CD209 / DC-SIGN (Pathogen Receptor on Dendritic Cells) Monoclonal Antibody (Clone: C209/1781)

Clonality :	Monoclonal
Clone Name :	C209/1781
Application :	WB, IHC
Reactivity :	Human
Gene :	CD209
Gene ID :	30835
Uniprot ID :	Q9NNX6
Alternative Name :	CD209; CDSIGN; CIRE; CLEC4L; DC-SIGN; DC-SIGN1; DCSIGN; Dendritic cell-specific ICAM-3 Grabbing Non-integrin 1; HIV GP120 Binding Protein; SIGN-R1; SIGNR5
Isotype :	Mouse IgG2b, kappa
Immunogen Information :	Recombinant human CD209 protein fragment (exact sequence is proprietary)

Description

DC-SIGN 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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT), (Staining of formalin-fixed tissues is enhanced by heating tissue sections in 10mM Tris with 1mM EDTA Buffer, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes),

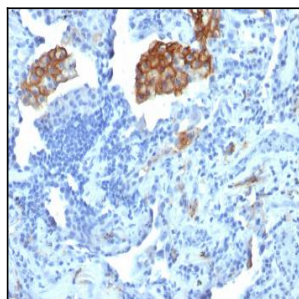


Fig. 1: Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with CD209 Mouse Monoclonal Antibody (C209/1781).

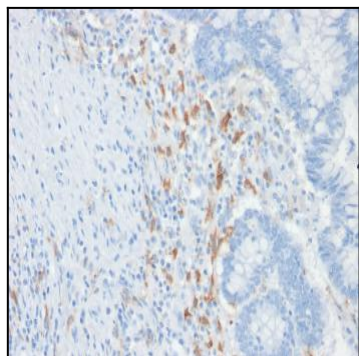


Fig. 2: Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CD209 Mouse Monoclonal Antibody (C209/1781).

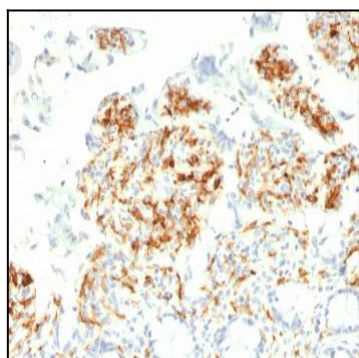


Fig. 3: Formalin-fixed, paraffin-embedded human Small Intestine stained with CD209 Mouse Monoclonal Antibody (C209/1781).

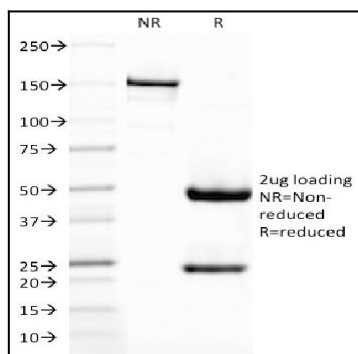


Fig. 4: SDS-PAGE Analysis Purified CD209 Mouse Monoclonal Antibody (C209/1781). Confirmation of Purity and Integrity of Antibody.

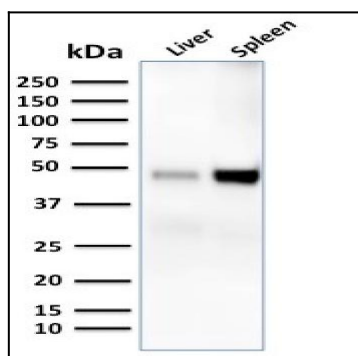


Fig. 5: Western Blot Analysis of human liver and spleen tissue lysates using CD209 Mouse Monoclonal Antibody (C209/1781).