CD209 / DC-SIGN (Pathogen Receptor on Dendritic Cells) Antibody

Mouse Monoclonal Antibody [Clone C209/1781]

Catalog No	Format	Size
30835-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
30835-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
30835-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

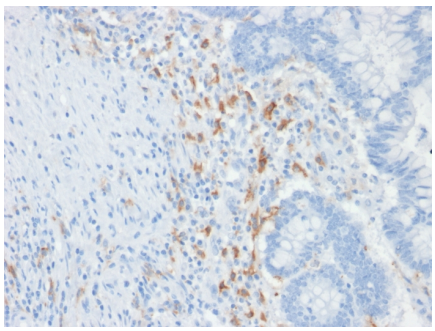
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

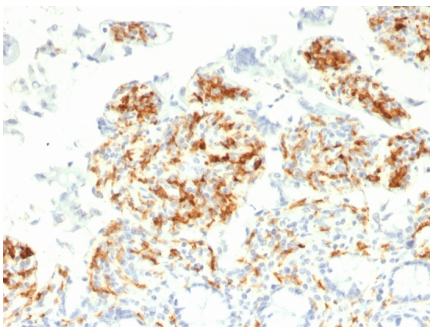
Clone	C209/1781
Gene Name	CD209
Immunogen	Recombinant human CD209 protein fragment (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	45kDa
Cellular Localization	Cell membrane, Secreted
Species Reactivity	Human
Positive Control	THP-1 or HeLa cells (IF/FACS). Human liver or spleen lysate (WB). Human small intestine (IHC).

**Optimal dilution for a specific application should be determined.*

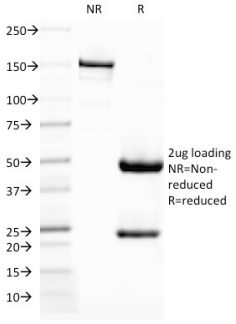
Product Images for CD209 / DC-SIGN (Pathogen Receptor on Dendritic Cells) Antibody



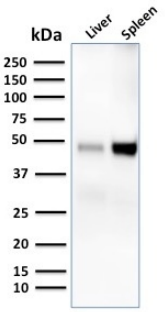
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with CD209 Mouse Monoclonal Antibody (C209/1781).



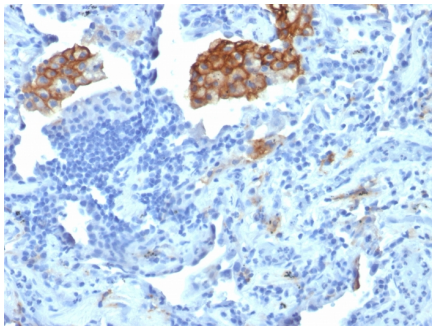
Formalin-fixed, paraffin-embedded human Small Intestine stained with CD209 Mouse Monoclonal Antibody (C209/1781).



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



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



Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with CD209Mouse Monoclonal Antibody (C209/1781).

Specificity & Comments

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.

Supplied As

200ug/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 and Stability

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. No MSDS required.

Research Areas

Cancer, Dendritic Cell Marker, Hematopoietic Stem Cells, Immunology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

2 Union Square, Union City, CA 94587, Tel: 1-866-2-NEOBIO (1-866-263-6246)
orders@NeoBiotechnologies.com, www.NeoBiotechnologies.com

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