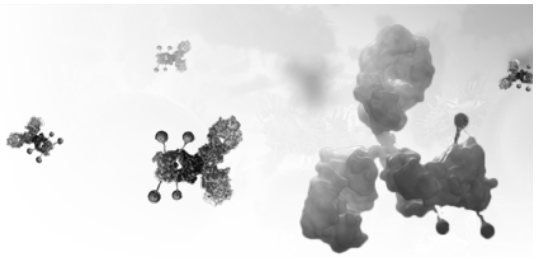

Mouse Anti-Human CD209 Monoclonal antibody, clone NN12 (CABT-L201M)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Recombinant Human CD209
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	NN12
Purification	Protein A purified This antibody is purified from cell culture supernatant by protein A affinity chromatography to a purity of>95% (by SDS-PAGE).
Conjugate	Unconjugated
Applications	ELISA (Cap); FC We recommend the following for sandwich ELISA(Capture - Detection): CABT-L201M - CABT-L201R
Format	Liquid
Concentration	Lot specific
Size	200 µl
Buffer	PBS
Preservative	None
Storage	Maintain at -20°C for up to 12 months. Avoid repeated freeze-thaw cycles. Store product

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	undiluted.
Ship	Wet ice

BACKGROUND

Introduction	Pathogen-recognition receptor expressed on the surface of immature dendritic cells (DCs) and involved in initiation of primary immune response. Thought to mediate the endocytosis of pathogens which are subsequently degraded in lysosomal compartments. The receptor returns to the cell membrane surface and the pathogen-derived antigens are presented to resting T-cells via MHC class II proteins to initiate the adaptive immune response. Probably recognizes in a calcium-dependent manner high mannose N-linked oligosaccharides in a variety of pathogen antigens, including HIV-1 gp120, HIV-2 gp120, SIV gp120, ebolavirus glycoproteins, cytomegalovirus gB, HCV E2, dengue virus gE, Leishmania pifanoi LPG, Lewis-x antigen in Helicobacter pylori LPS, mannose in Klebsiella pneumonae LPS, di-mannose and tri-mannose in Mycobacterium tuberculosis ManLAM and Lewis-x antigen in Schistosoma mansoni SEA.On DCs it is a high affinity receptor for ICAM2 and ICAM3 by binding to mannose-like carbohydrates. May act as a DC rolling receptor that mediates transendothelial migration of DC presursors from blood to tissues by binding endothelial ICAM2. Seems to regulate DC-induced T-cell proliferation by binding to ICAM3 on T-cells in the immunological synapse formed between DC and T-cells.
Keywords	CD209; CD209 molecule; CD209 antigen; CDSIGN; CLEC4L; DC SIGN; DC SIGN1; HIV gpl20-binding protein; C-type lectin domain family 4 member L; C-type lectin domain family 4, member L; dendritic cell-specific ICAM-3-grabbing non-integrin 1; dendritic cell-spe

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