

DC-SIGN Rabbit mAb [32A2]

Cat NO. :A91469

Information:

Applications	Reactivity:	UniProt ID:	MW(kDa)	Host	Isotype	Size
WB	H	Q9NNX6	45-55 kDa	Rabbit	IgG	100ul,200ul

Applications detail:

Application	Dilution
WB	1:1000-2000
The optimal dilutions should be determined by the end user	

Conjugate:

UnConjugate

Form:

Liquid

sensitivity:

Endogenous

Purification:

Protein A purification

Specificity:

Antibody is produced by immunizing animals with a synthetic peptide at the sequence of Human DC-SIGN

Storage buffer and conditions:

Antibody store in 10 mM PBS, 0.5mg/ml BSA, 50% glycerol (buffer) .

Shipped at 4°C. Store at-20°C or -80°C.

Products are valid for one natural year of receipt.Avoid repeated freeze / thaw cycles.

Tissue specificity:

Predominantly expressed in dendritic cells and in DC-residing tissues. Also found in placental macrophages, endothelial cells of placental vascular channels, peripheral blood mononuclear cells, and

Subcellular location:

[Isoform 1]: Cell membrane,Single-pass type II membrane protein.,[Isoform 2]: Cell membrane,Single-pass type II membrane protein.,[Isoform 3]: Cell membrane,Single-pass type II membrane

Function:

Introduction: **WB:** Western Blot **IP:** Immunoprecipitation **IHC:** Immunohistochemistry **ChIP:** Chromatin Immunoprecipitation **ICC/IF:** Immunocytochemistry/Immunofluorescence **F:** Flow Cytometry

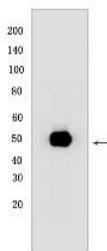
Cross Reactivity: **H:** human **M:** mouse **R:** rat **Hm:** hamster **Mk:** monkey **Vir:** virus **Ml:** mink **C:** chicken **Dm** D. melanogaster **X:** Xenopus **Z:** zebrafish **B:** bovine **Dg:** dog **Pg:** pig **Hr:** horse

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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.. 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.. (Microbial infection) Acts as an attachment receptor for HIV-1 and HIV-2.. (Microbial infection) Acts as an attachment receptor for Ebolavirus.. (Microbial infection) Acts as an attachment receptor for Cytomegalovirus.. (Microbial infection) Acts as an attachment receptor for HCV.. (Microbial infection) Acts as an attachment receptor for Dengue virus.. (Microbial infection) Acts as an attachment receptor for Measles virus.. (Microbial infection) Acts as an attachment receptor for Herpes simplex virus 1.. (Microbial infection) Acts as an attachment receptor for Influenzavirus A.. (Microbial infection) Acts as an attachment receptor for SARS-CoV.. (Microbial infection) Acts as an attachment receptor for Japanese encephalitis virus.. (Microbial infection) Acts as an attachment receptor for Lassa virus (PubMed:23966408). Acts as an attachment receptor for Marburg virus.. (Microbial infection) Acts as an attachment receptor for Respiratory syncytial virus.. (Microbial infection) Acts as an attachment receptor for Rift valley fever virus and uukuniemi virus.. (Microbial infection) Acts as an attachment receptor for West-nile virus.. (Microbial infection) Probably recognizes in a calcium-dependent manner high mannose N-linked oligosaccharides in a variety of bacterial pathogen antigens, including Leishmania pifanoi LPG, Lewis-x antigen in Helicobacter pylori LPS, mannose in Klebsiella pneumoniae LPS, di-mannose and tri-mannose in Mycobacterium tuberculosis ManLAM and Lewis-x antigen in Schistosoma mansoni SEA (PubMed:16379498). Recognition of M.tuberculosis by dendritic cells occurs partially via this molecule (PubMed:16092920, PubMed:21203928)..

Validation Data:

DC-SIGN Rabbit mAb [32A2] Images



Western blot (SDS PAGE) analysis of extracts from Human monocyte-derived dendritic cells.Using DC-SIGN Rabbit mAb [32A2] at dilution of 1:1000 incubated at 4°C

View more information on <http://naturebios.com>

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 1% w/v Milk, 1X TBST at 4°C overnight.