

Monoclonal Antibody to DC-SIGN - Purified

Alternate names:	CD209 antigen-like protein A, CD_antigen=CD209, DC-SIGN, Dendritic cell-specific ICAM-3-grabbing non-integrin
Catalog No.:	AM50493PU-N
Quantity:	0.1 ml
Concentration:	lot-specific
Background:	Dendritic cell-specific ICAM-3-grabbing non-integrin (DC-SIGN) is a C-type lectin and has a high affinity for ICAM3 molecules that plays roles in both cell-cell and host-pathogen interactions. DC-SIGN is a type II membrane protein. It is expressed on dendritic cells and mediates the interaction between dendritic cells and resting T cells. Viruses target DC-SIGN to promote infection and spread to other cells.
Uniprot ID:	Q91ZX1
NCBI:	NP_573501.1
GeneID:	170786
Host / Isotype:	Rat / IgG2a
Recommended Isotype Controls:	SM15P, SM15PX
Clone:	BMD30
Immunogen:	Histidine-tagged recombinant protein corresponding to mouse DC-SIGN.
Format:	State: Liquid purified Ig fraction Purification: Protein G Chromatography Buffer System: 0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl with 0.05% sodium azide.
Applications:	Immunohistochemistry: A 1:200 dilution of this antibody detected DC-SIGN in mouse spleen tissue.. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Demonstrated to react with Mouse.
Storage:	Store undiluted at 2-8°C. Shelf life: One year from despatch.

Pictures:

Immunohistochemistry Analysis:
Representative lot data.
Paraffin-embedded dendritic cells in mouse spleen tissue was prepared using heat-induced epitope retrieval in citrate buffer, pH 6.0. Immunostaining was performed using a 1:200 dilution of Cat. No. AM50493PU-N, Anti-DC-SIGN, clone BMD30. Reactivity was detected using the IHC-Select® Detection Kit. Immunoreactivity was confined to dendritic cells in lymphatic vessels as well as thymus tissue.

