

DC-SIGN Monoclonal Antibody

Catalog No: #26003

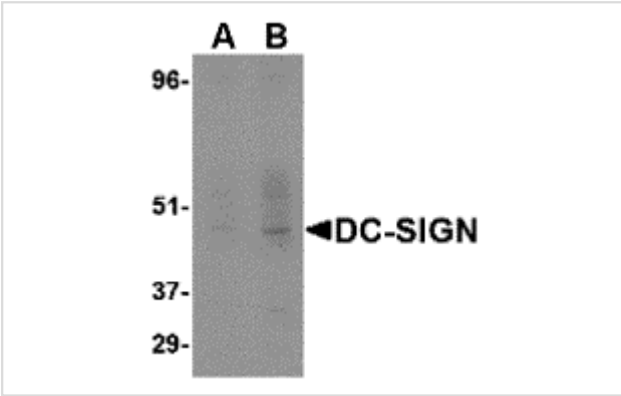


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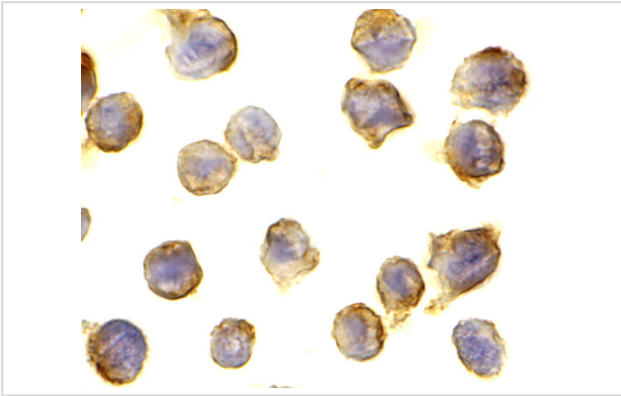
Description

Product Name	DC-SIGN Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	mAb (Clone 5D7)
Purification	DC-SIGN Monoclonal Antibody is Protein A purified.
Applications	ELISA WB IHC
Species Reactivity	Hu
Immunogen Type	Recombinant Protein
Immunogen Description	A recombinant His-tagged protein fragment corresponding to the extracellular region of human DC-SIGN.
Target Name	DC-SIGN
Other Names	DC-SIGN (5D7), Dendritic cell-specific ICAM-3-grabbing nonintegrin 1
Accession No.	Q9NNX6
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year.

Images



Western blot detection of DC-SIGN fusion protein in human placenta at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of DC-SIGN in lymph node tissue with DC-SIGN antibody at 5 ug/mL.

## Background

Dendritic cells (DCs) that control immune responses were recently found to capture and transport HIV from the mucosal area to remote lymph nodes , where DCs hand over HIV to CD4+ T lymphocytes. DCs also amplify the amount of virus and extend the duration of viral infectivity. Multiple strains of HIV-1, HIV-2 and SIV bind to DCs via DC-SIGN. ICAM-3 is the natural ligand for DC-SIGN. A DC-SIGN homologue (termed DC-SIGNR, L-SIGN, and DC-SIGN2) was identified recently. DC-SIGN forms a novel gene family with DC-SIGNR and many alternatively spliced isoforms of DC-SIGN and DC-SIGNR (8). The expression of DC-SIGN was found in mucosal tissues including placenta, small intestine, and rectum.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.