DC-SIGN Monoclonal Antibody

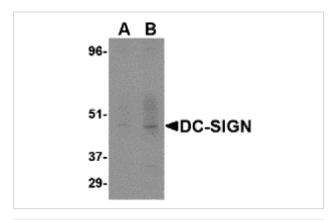
Catalog No: #26003



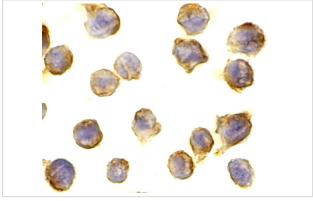
Orders: order@signalwayantibody.com Support: tech@signalwayantibody.com

Description	Support: tech@signalwayantibody.com
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
Uniprot	Q9NNX6
GeneID	30835;
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