DC-SIGN Monoclonal Antibody

Catalog No: #26004

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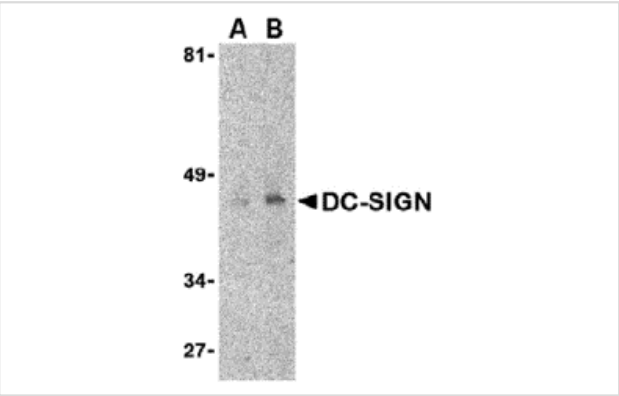
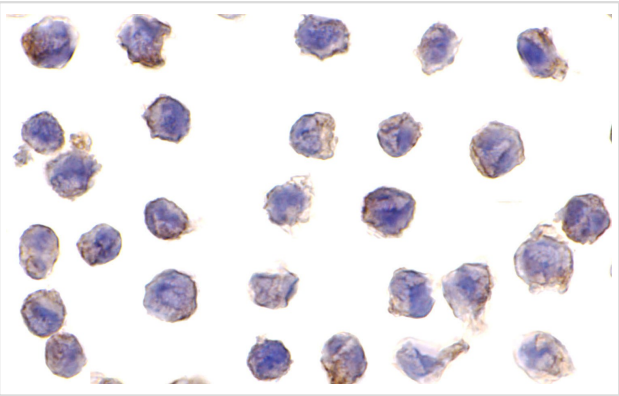
Description

Product Name	DC-SIGN Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	mAb (Clone 8B6)
Purification	Immunoaffinity chromotography purified IgG
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 (8B6), 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 uterus tissue lysate at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of DC-SIGN in lymph node tissue with DC-SIGN antibody at 10 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 are known to exisit (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.