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Product datasheet for TA306058

DC SIGN (CD209) Rabbit Polyclonal Antibody

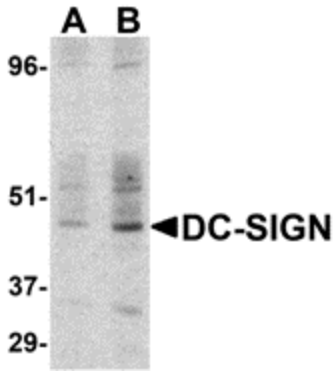
Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 10 ug/mL, IF: 20 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	DC-SIGN antibody was raised against a synthetic peptide corresponding to amino acids near the center of human DC-DIGN .
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD209 molecule
Database Link:	NP_001138365 Entrez Gene 30835 Human Q9NNX6
Background:	Dendritic cells (DCs) that control immune responses were recently found to capture and transport HIV from the mucosal area to remote lymph nodes (1), 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 (2). ICAM-3 is the natural ligand for DC-SIGN (3). A DC-SIGN homologue (termed DC-SIGNR, L-SIGN, and DC-SIGN2) was identified recently (4-8). 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.
Synonyms:	CDSIGN; CLEC4L; DC-SIGN; DC-SIGN1

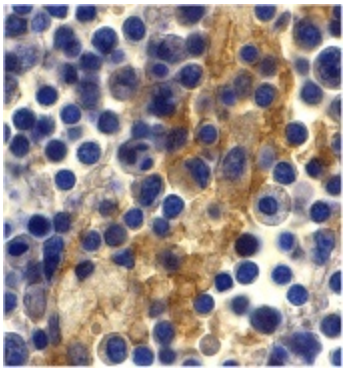
View online »

Protein Families: Druggable Genome

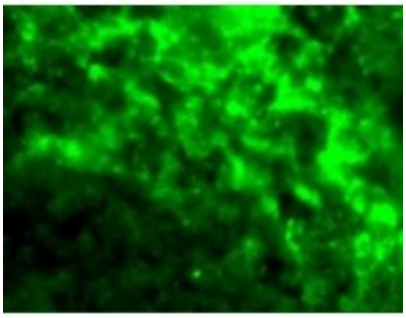
Product images:



Western blot detection of DC-SIGN in human small intestine at (A) 1 and (B) 2 ug /ml.



Immunohistochemistry of DC-SIGN in human lymph node tissue with DC-SIGN antibody at 10 ug/ml.



Immunofluorescence of DC-SIGN in Human Lymph Node tissue with DC-SIGN antibody at 20 ug/mL.