

## Product datasheet for **TA319909**

### DC SIGN (CD209) Mouse Monoclonal Antibody [Clone ID: 5D7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	5D7
Applications:	ELISA, IHC, WB
Recommended Dilution:	DC-SIGN antibody can be used for detection of DC-SIGN in Western Blot at 1 µg/mL and in immunohistochemistry at 5 - 10 µg/mL. Antibody validated: Western Blot in human samples and Immunohistochemistry in human samples. All other applications and species not yet tested.
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	A recombinant His-tagged protein fragment corresponding to the extracellular region of human DC-SIGN.
Formulation:	DC-SIGN Monoclonal Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	DC-SIGN Monoclonal Antibody is Protein A purified.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD209 molecule
Database Link:	<a href="#">NP_001138365</a> <a href="#">Entrez Gene 30835 Human</a> <a href="#">Q9NNX6</a>



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<b>Background:</b>	DC-SIGN Monoclonal Antibody: 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. The expression of DC-SIGN was found in mucosal tissues including placenta, small intestine, and rectum.
<b>Synonyms:</b>	CDSIGN; CLEC4L; DC-SIGN; DC-SIGN1
<b>Protein Families:</b>	Druggable Genome