

## Anti-DC-SIGN CD209 Monoclonal Antibody [5D7]

Catalog Number: M01025-1

### About CD209

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.

### Overview

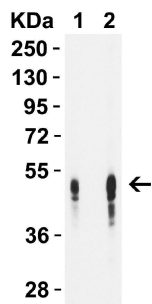
Product Name	Anti-DC-SIGN CD209 Monoclonal Antibody [5D7]
Reactive Species	Human
Description	Boster Bio Anti-DC-SIGN CD209 Monoclonal Antibody [5D7] (Catalog # M01025-1). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human.
Application	ELISA, IHC-P, WB
Clonality	Monoclonal Clone: 5D7
Formulation	DC-SIGN Monoclonal Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	DC-SIGN monoclonal antibody can be stored at -20°C, stable for one year.
Host	Mouse
Uniprot ID	Q9NNX6

### Technical Details

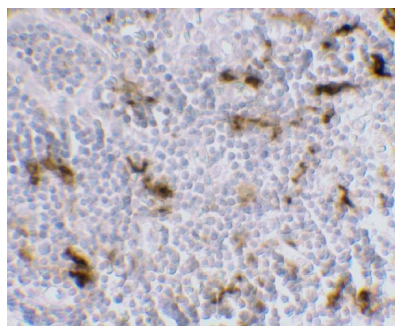
Immunogen	A recombinant His-tagged protein fragment corresponding to the extracellular region of human DC-SIGN.
Predicted Reactive Species	Mouse, Rat
Isotype	IgG1
Form	Liquid
Concentration	1 mg/mL
Purification	DC-SIGN Monoclonal Antibody is Protein A purified.
Suggested Dilutions	DC-SIGN antibody can 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. Optimal dilutions for each application should be determined by the researcher.

## Anti-DC-SIGN CD209 Monoclonal Antibody [5D7] (M01025-1) Images



WB Validation of DC-SIGN in Human Lymph Node Loading:  
10 ug of lysate per lane. Antibodies: DC-SIGN M01025-1,  
1ug/ml, 1h incubation at RT in 5% NFDm/TBST. Secondary:  
Goat anti-mouse IgG HRP conjugate at 1:5000 dilution. Lane  
1: 1 ug/mL Lane 2: 2 ug/mL



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

### Submit a product review to [Biocompare.com](https://www.biocompare.com)

Submit a review of this product to [Biocompare.com](https://www.biocompare.com) to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-DC-SIGN CD209 Monoclonal Antibody [5D7]

For Research Use Only. Not for use in diagnostic procedures.