

## Product datasheet for **DDX0204A546-100**

### DC SIGN (CD209) Mouse Monoclonal Antibody [Clone ID: 108C7.01]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	108C7.01
Applications:	IF
Recommend Dilution:	<b><u>DDX0204P-50 / DDX0204P-100 Purified</u></b> : Surface flow cytometry, HIV gp120 binding studies. <b><u>DDX0204A488-50 / DDX0204A488-100 Alexa-fluor®488</u></b> : Surface Flow cytometry. <b><u>DDX0204A546-50 / DDX0204A546-100 Alexa- fluor®546</u></b> : Immunofluorescence. <b><u>DDX024A647-50 / DDX0204A647-100 Alexa- fluor®647</u></b> : Surface Flow cytometry <b><u>DDX0204B-50 / DDX0204B-100 Biotin (on request)</u></b> : FACS surface, ImmunoHistoChemistry frozen sections. <b>Usage recommendation:</b> *This monoclonal antibody may be used between 5-20 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	HeLa cells stably transfected-with human DC-SIGN.
Specificity:	Human DC-SIGN. <b>Specied cross-reactivity:</b> Human L-SIGN. Not tested on other species
Formulation:	<b><u>Purified</u></b> : 100 µg in 200µl / 50 µg in 100 µl Tris-NaCl pH 8 <b><u>Coupled</u></b> : 100 µg in 200 µl / 50 µg in 100 µl PBS 50% glycerol Label: Alexa Fluor 546
Concentration:	0.5 mg/ml
Conjugation:	Alexa Fluor 546
Gene Name:	CD209 molecule
Database Link:	<a href="#">Entrez Gene 30835 Human</a>



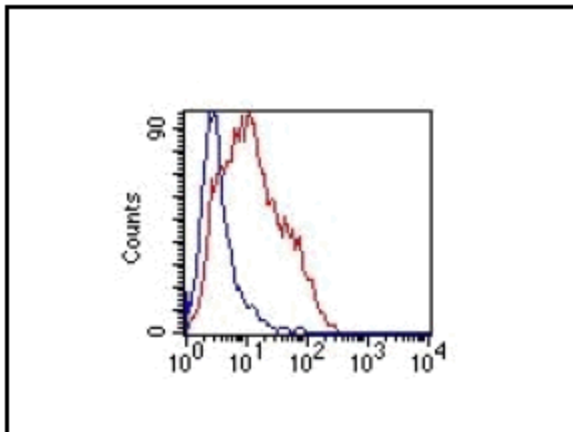
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**Background:**

DC-SIGN (“DC Specific, ICAM-3 Grabbing, Nonintegrin”) / CD209 and liver/lymph node-specific ICAM-3-grabbing nonintegrin (L-SIGN) (CD299/DC-SIGNR for DC-SIGN-related molecule; DC-SIGN2) are closely related genes that map to chromosome 19p13.3. Both genes encode a member of the C-type lectin family of type II transmembrane proteins. The two receptors are 77% identical at the amino acid level, have similar ligands. They are expressed in different tissues. DC-SIGN is expressed on dendritic cells and macrophages. L-SIGN is found in the endothelial cells of liver, lymph nodes, and placenta and is absent on DCs and macrophages. Both receptors have been shown to interact with ICAM-3 DC-SIGN is a high affinity receptor for HIV gp120, (Soilleux EJ. 2003, Clinical Science 104, 437-; Dakappagari N., et al. 2006, The J Immunol, 176, 426 ; Geijtenbeek T.B., et al. 2000, Cell, 100, 575 ; Bashirova A. et al., 2001, J.Exp. Med.,193, 671) Antibodies have been selected with NIH3T3 transfected cells with either L-SIGN, or DC-SIGN.

**Synonyms:**

DCSIGN1, DCSIGN, DC-SIGN1, CLEC4L, Dendritic Cell Marker

**Product images:**

HIV-gp120 binding on DC-SIGN HeLa transfected cells.

red: without blocking,  
blue: blocking activity