

Product datasheet for **DDX0209A488-100**

DC SIGN (CD209) Mouse Monoclonal Antibody [Clone ID: 111H2.02]

Product data:

Product Type:	Primary Antibodies
Clone Name:	111H2.02
Applications:	FC
Recommend Dilution:	DDX0209P-50 / DDX0209P-100 purified: Surface flow cytometry, IHC Formol- paraffin, Bouin paraffin, Histowax. DDX0209A488-50 / DDX0209A488-100 Alexa-Fluor®488: Surface Flow cytometry. DDX0209A546-50 / DDX0209A546-100 Alexa-Fluor®647: IF. DDX0209A647-50 / DDX0209A647-100 Alexa-Fluor®647: Surface Flow cytometry. DDX0209B-50 DDX0209B-100 Biotin (on request): Surface Flow cytometry, IHC. Usage recommendation: *This monoclonal antibody may be used between 5-20 µg/ml. *Optimal dilution should be determined by each laboratory for each application. *Coupled antibody: to maintain RT before use.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	HeLa cells stably transfected-with human DC-SIGN.
Specificity:	Human DC-SIGN. Species cross-reactivity: positive staining on NIH3T3-transfected LSIGN.
Formulation:	Purified: 100 µg in 200 µl / 50 µg in 100 µl Tris-NaCl pH 8. Coupled: 100 µg in 200 µl / 50 µg in 100 µl PBS 50% glycerol. Label: Alexa Fluor 488
Concentration:	0.5 mg/ml
Conjugation:	Alexa Fluor 488
Gene Name:	CD209 molecule
Database Link:	Entrez Gene 30835 Human



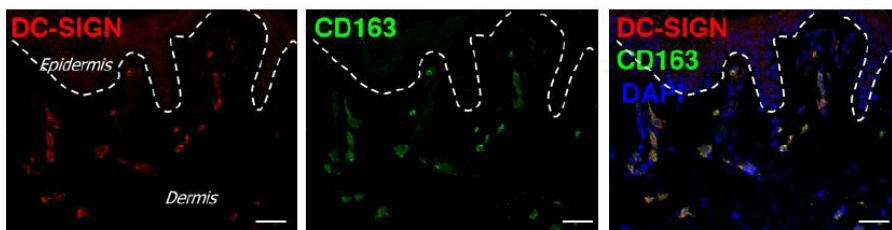
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Background:

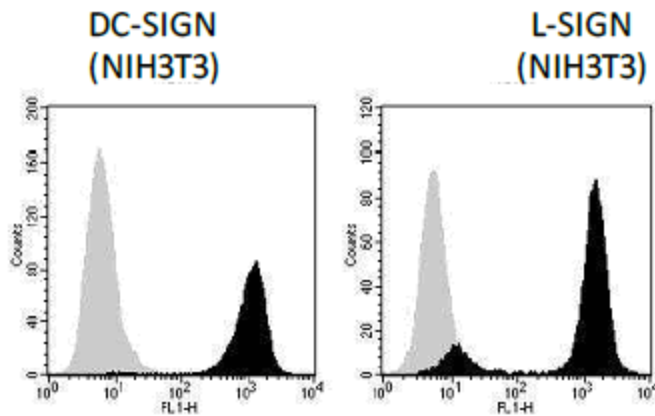
DC-SIGN (“DC Specific, ICAM-3 Grabbing, Nonintegrin”)/CD209 and liver/lymph node-specific ICAM-3-grabbing nonintegrin (L-SIGN) (CD299/DC-SIGNR for DC-SIGN-related molecule; DC-SIGN2) are closely related genes that map to chromosome 19p13.3. Both genes encode a member of the C-type lectin family of type II transmembrane proteins. The two receptors are 77% identical at the amino acid level, have similar ligands. They are expressed in different tissues. Both receptors have been shown to interact with ICAM-3 DC-SIGN is a high affinity receptor for HIV gp120 (Soilleux E.J. 2003, Clinical Science 104, 437-; Dakappagari N., et al. 2006, The J Immunol, 176, 426; Geijtenbeek T.B., et al. 2000, Cell, 100, 57 ; .Bashirova A. et al., 2001, J.Exp. Med., 193, 671). The clone 111H2.02 anti-DC-SIGN blocks HIVgp120-DC-SIGN interaction and reacts on formalin-fixed tissues (Canard B et al, Immunol Lett. 2011, 135(1-2):165-72).

Synonyms:

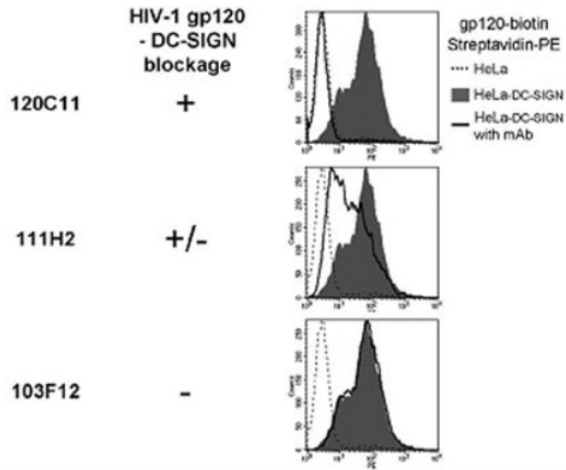
DCSIGN1, DCSIGN, DC-SIGN1, CLEC4L, Dendritic Cell Marker

Product images:


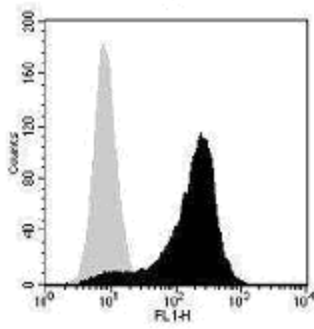
IHC staining of formalin fixed and paraffin-embedded human skin sections with 111H2.02



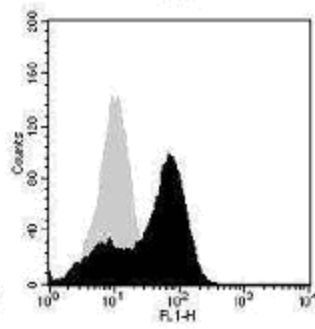
FACS staining of NIH3T3 transfected cells with 111H2.02



Monocyte-derived
dendritic cells



Monocyte-derived
dermal macrophages



Endogenous expression revealed by FACS staining with 111H2.02