DENDRITICS

# Monoclonal Anti-human DC-SIGN/CD209

## Product reference: DDX0209

### Description

DC-SIGN ("**DC S**pecific, **I**CAM-3 **G**rabbing, **N**onintegrin")/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 EJ. 2003, Clinical Science 104, 437-; Dakappagari N., et al. 2006, The J Immunol, 176, 426; Geijtenbeeck 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)*

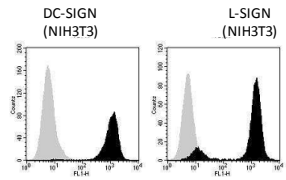
**Clone:** **111H2.02**
**Species**: mouse
**Specificity**: human DC-SIGN
**Immunogen:** HeLa cells stably transfected-with human DC-SIGN
**Species cross- reactivity**: positive staining on NIH3T3-transfected LSIGN
**Isotype:** IgG2b
**Formulation/size:** **Purified**: 100 µg in 200µl Tris-NaCl pH 8
**Coupled**: 100 µg in 200µl PBS 50% glycerol

**Available formats:**

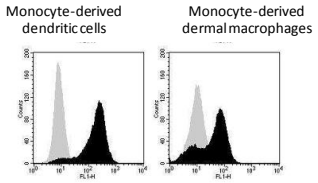
| Reference N° | | Format | Application tested |
|---|---|---|---|
| **50 µg** | **100 µg** | | |
| DDX0209P-50 | DDX0209P-100 | purified | Surface flow cytometry, IHC Formol- paraffin, Bouin paraffin, Histowax |
| DDX0209A488-50 | DDX0209A488-100 | Alexa-fluor®488 | Surface Flow cytometry |
| DDX0209A546-50 | DDX0209A546-100 | Alexa- fluor®546 | IF |
| DDX0209A647-50 | DDX0209A647-100 | Alexa- fluor®647 | surface Flow cytometry |
| DDX0209B-*50* | DDX0209B-*100* | Biotin *(on request)* | Surface Flow cytometry, IHC |

***Other clones available on request***

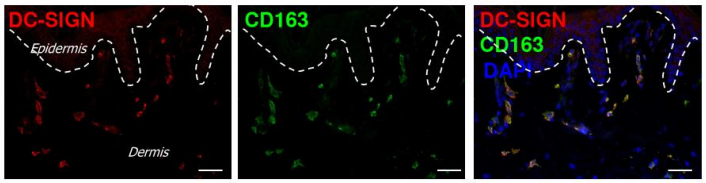
**Applications tested** flow cytometry, formol- paraffin IHC, HIVgp120-DC-SIGN blocking



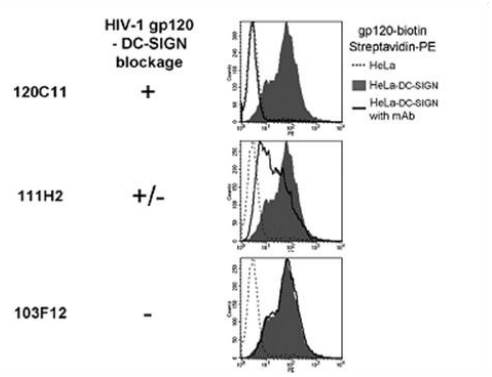
*FACS staining of NIH3T3 transfected cells with 111H2.02*



*Endogenous expression revealed by FACS staining with 111H2.02*



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




**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 using

**Aliquot storage conditions** **-20°C. KEEP CONTENTS STERILE: no preservative.**
**<u>Purified</u> antibodies: avoid repeated freeze/thaw cycles.**
**<u>Coupled</u> antibodies: glycerol protects from freezing.**

**Not for use in Humans. For research purpose only**

**contact@dendritics.net** **+33(0)4.72.71.74.03** **www.dendritics.net**