

Monoclonal Anti-human DC-SIGN/CD209

Product reference: DDX0205

Description

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. 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, 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 either with L-SIGN, either with DC-SIGN.

Clone:	102F10.04
Species:	mouse
Specificity:	human DC-SIGN
Immunogen:	HeLa cells stably transfected-with human DC-SIGN
Cross- reactivity:	human L-SIGN : positive
Isotype:	IgG2b, κ
Species:	nd
Formulation/size:	Purified: 100 μ g in 200 μ l / 50 μ g in 100 μ l Tris-NaCl pH 8 Coupled: 100 μ g in 200 μ l / 50 μ g in 100 μ l PBS 50% glycerol

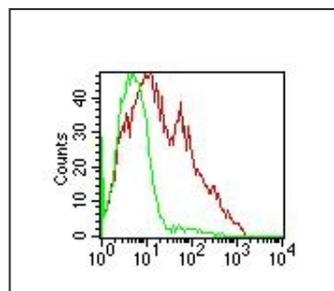
Available formats:

Reference N°		Format	Application tested
50 μ g	100 μ g		
DDX0205P-50	DDX0205P-100	purified	Surface flow cytometry, internalization
DDX0205A488-50	DDX0205A488-100	Alexa-fluor® 488	Surface Flow cytometry
DDX0205A546-50	DDX0205A546-100	Alexa- fluor® 546	IF
DDX0205A647-50	DDX0205A647-100	Alexa- fluor® 647	Surface Flow cytometry

Other clones available on request

Applications tested

Flow cytometry and receptor internalization



*DC-SIGN receptor internalization:
Red 4°C expression; green 37°C*

Usage recommendation:

- *This monoclonal antibody may be used between 5-20 μ g/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.**
- Purified antibodies: avoid repeated freeze/thaw cycles.**
- Coupled antibodies: glycerol protects from freezing.**

Not for use in Humans. For research purpose only