

Monoclonal Anti-human DC-SIGN/CD209

Product reference: DDX0202

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. 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 Journal of Immunology*, 176, 426-; Geijtenbeeck 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.

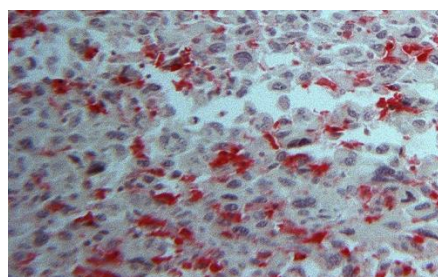
Clone: 102E11.06
Species: mouse
Specificity: human L-SIGN and human DC-SIGN
Immunogen: HeLa cells stably transfected-with human DC-SIGN
Species cross- reactivity: human **L-SIGN**. Not tested for other species
Isotype: IgG2b, κ
Formulation/size: **Purified:** 100 µg in 200µl / 50 µg in 100 µl Tris-NaCl pH 8
Coupled: 100 µg in 200 µl / 50 µg in 100 µl PBS 50% glycerol

Available formats:

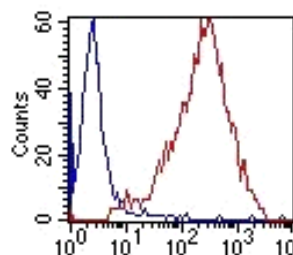
Reference N°		Format	Application tested
50 µg	100 µg		
DDX0202P-50	DDX0202P-100	purified	Surface flow cytometry, Formol-paraffin, IHC
DDX0202A488-50	DDX0202A488-100	Alexa-fluor® 488	Surface Flow cytometry , IF
DDX0202A546-50	DDX0202A546-100	Alexa- fluor® 546	IF
DDX0202A647-50	DDX0202A647-100	Alexa- fluor® 647	Surface Flow cytometry
DDX0202B-50	DDX0202B-100	Biotin (<i>on request</i>)	

Applications tested

flow cytometry and formol-embedded paraffin IHC



IHC staining paraffin-embedded human tonsil section with 102E11.06



FACS staining of DC-SIGN-transfected HeLa cells with 102E11.06

Usage recommendation: *This monoclonal antibody may be used between 1-20 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.**
Purified antibodies: avoid repeated freeze/thaw cycles.
Coupled antibodies: glycerol protects from freezing.

Not for use in Humans. For research purpose only