

Monoclonal Anti-human, sheep DC-SIGN-like

Product reference: DDX0201

Description:

We have generated an antibody recognizing an antigen which has a tissular distribution and a size (western blot) identical to DC-SIGN. This antibody does not recognize DC-SIGN 1 expressed in HeLa cells. DC-SIGN (“**DC Specific, ICAM-3 Grabbing, Nonintegrin**”) / CD209 is a type II membrane protein with an external mannose-binding C-type lectin domain, DC-SIGN is expressed by immature and mature dendritic cells (DC). In the skin, DC-SIGN⁺ DC are exclusively located in the dermis. DC-SIGN binds to ICAM-3 on resting T cells, establishing DC-T cell contact and adaptive immunity. DC-SIGN is a high affinity receptor for HIV gp120, allowing HIV capture and transmission to CD4⁺ T cells. In addition to HIV, DC-SIGN is a receptor for a number of other viral and cellular pathogens including *Mycobacterium Tuberculosis*, and is a major player in microbial evasion of the immune system.

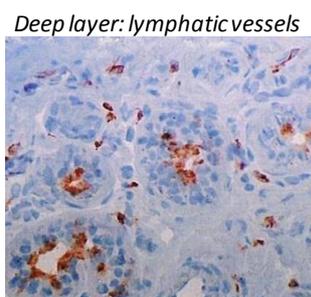
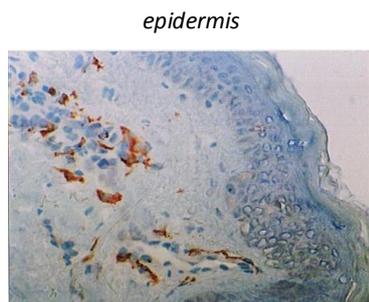
(Geijtenbeek, T and al, *Cell*; 2000; 100: 587-597; van Kooyk Y and al, *Nat. Rev. Immunol.*; 2003; 3: 697-709)

Clone:	128G8
Species:	mouse
Specificity:	human (epitope in extracellular domain)
Immunogen:	human (GMCSF + TNF) DC subset
Species cross-reactivity:	sheep
Isotype:	IgM
Purification:	QMA Hyper D ion exchange chromatography
Formulation/size:	Purified: 100 µg in 200 µl / 50 µg in 100 µl Tris-NaCl pH 8

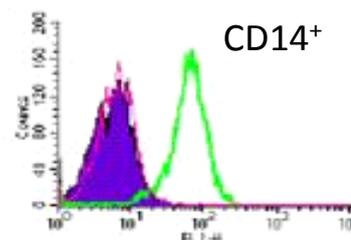
Available format: other formats available on request

Reference N°		Format	Application tested
50 µg	100 µg		
DDX0201P-50	DDX0201P-100	purified	Surface Flow cytometry, antigen uptake, IHC, WB

Applications tested: Flow cytometry, IHC



Frozen serial sections of **human** skin stained with 128G8



DC-SIGN like expression on **human** monocyte-derived DCs subsets

Usage recommendation: *This monoclonal antibody may be used between 5-20 µg/ml.
*Optimal dilution should be determined by each laboratory for each application.

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