

Human DC-SIGN/CD209 ELISA Kit | DC-SIGN/CD209 elisa kit

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CATALOG #
AAA258344

REACTIVITY
Human

PRODUCT SYNONYMS

DC-SIGN/CD209; Human DC-SIGN/CD209 ELISA Kit; DC-SIGN ELISA Kit; Human; CD209 molecule; CD209 ELISA Kit; CDSIGN ELISA Kit; CLEC4L ELISA Kit; DC-SIGN1 ELISA Kit; MGC129965 ELISA Kit; DC-SIGN/CD209 elisa kit

PRODUCT SPECIFICATIONS

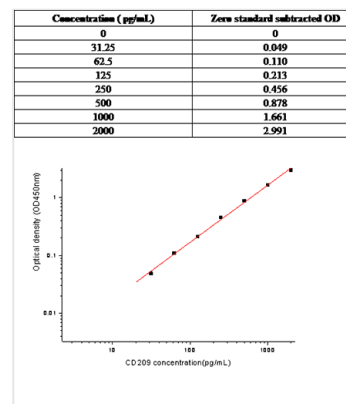
Reactivity	Human
Specificity	For the quantitative determination of Human DC-SIGN/CD209 concentration in serum.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Serum
Detection Range	31.25-2000pg/mL
Sensitivity	11.8pg/mL
Conjugation	HRP
Interference	Preparations of ICAM2, ICAM3, CLU, ICAM5 and LSP1 at 20ng/mL in a mid-range recombinant human CD209 control were assayed for interference. No significant interference was observed.
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES

Recombinant human	IL-1	IL-2	IL-33	IL-10
	IL-8	TNF- α	IL-4	IL-6
	IFN- γ	MIP-1 β	TIMP-1	TIMP-2
	GM-CSF	SCF	PDGF	VEGF
	ICAM2	ICAM3	CLU	CRACAM5
	LSP1			
Recombinant mouse				
CD209				

Application Data

This assay recognizes both recombinant and natural human CD209. The factors listed above were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed. A sample containing 50ng/mL of recombinant human CLEC4M reads as 0.7ng/mL (1.4% cross-reactivity). Preparations of ICAM2, ICAM3, CLU, ICAM5 and LSP1 at 20ng/mL in a mid-range recombinant human CD209 control were assayed for interference. No significant interference was observed.



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for DC-SIGN/CD209 elisa kit	This DC-SIGN ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human DC-SIGN protein in Serum. It contains recombinant Human DC-SIGN, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Dendritic cell (DC)-specific intercellular adhesion molecule 3 (ICAM-3) grabbing nonintegrin (DC-SIGN), also known as CD209, is a type II transmembrane protein on DCs with a C-type lectin extracellular domain, is capable of binding ICAM-3 on resting T cells in the secondary lymphoid organs, providing the initial contact between these cells during the establishment of cell-mediated immunity. It is not only a pattern recognition receptor but implicated in immunoregulation of DCs. It has an important role in mediating DC adhesion, migration, inflammation, activating primary T cell, triggering immune response and participating in immune escape of pathogens and tumors. DC-SIGN also mediates the capture and internalization of viral, bacterial, and fungal pathogens by dendritic cells, such as HIV-1, Ebola virus, cytomegalovirus, Dengue virus, and hepatitis C virus. DC-SIGN is unique in that it regulates adhesion processes, such as DC trafficking and T-cell synapse formation, as well as antigen capture. Moreover, even though several C-type lectins have been shown to bind HIV-1, DC-SIGN does not only capture HIV-1 but also protects it in early endosomes allowing HIV-1 transport by DC to lymphoid tissues, where it enhances trans infection of T cells.
References	Geijtenbeek TB, et al. (2002) DC-SIGN, a C-type lectin on dendritic cells that unveils many aspects of dendritic cell biology. J Leukoc Biol. 71(6): 921-31. Masso M. (2003) DC-SIGN points the way to a novel mechanism for HIV-1 transmission. MedGenMed. 5(2): 2. Zhou T, et al. (2006) DC-SIGN and immunoregulation. Cell Mol Immunol. 3(4): 279-83.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/dc-sign-cd209/258344>