

32-13746: CD209 Human

Format : The CD209 solution (0.25mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).
Alternative Name : CD209 antigen, CD209 antigen isoform 1, C-type lectin domain family 4 member L, Dendritic cell-specific ICAM-3-grabbing non-integrin 1, DC-SIGN, DC-SIGN1, CD209, CLEC4L, CDSIGN

Description

Source: Sf9, Baculovirus cells.

Physical Appearance: Sterile filtered colorless solution.

Biological Activity: null

CD209 (a member of the C-type lectin family) is Pathogen-recognition receptor expressed on the surface of immature dendritic cells (DCs) and takes part in initiation of primary immune response. CD209 has a high affinity for the ICAM3 molecule and binds various microorganisms by recognizing high-mannose-containing glycoproteins on their envelopes and especially functions as receptor for several viruses such as HIV and Hepatitis C. Along with other C-type lectins, CD209 is involved in recognition of tumors by dendritic cells. CD209 also initiates natural immunity by modulating toll-like receptors.

CD209 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 587 amino acids (60-404 a.a) and having a molecular mass of 66.5 kDa. CD209 is fused to a 239 amino acid hIgG-His-Tag at C-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 10 µg / 2 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : ADPVSKVPSS ISQEQSRQDA IYQNLTLKA AVGELSEKSK LQEIYQELTQ LKAAVGELPE
KSKLQEIYQE LTRLKAAVGE LPEKSKLQEI YQELTWLKAA VGELPEKSKM QEIYQELTRL
KAAVGELPEK SKQQEIYQEL TRLKAAVGE LPEKSKQQEIY QELTRLKAAV GELPEKSKQQ
EIYQELTQLK AAVERLCHPC PWEWTFQGN CYFMSNSQRN WHDSITACKE VGAQLVVIKS
AEEQNFLQLQ SSRNRFWTM GLSDLNQEGT WQWVDGSPLL PSFKQYWNRG EPNNVGEEDC
AEFSGNGWND DKCNLAKFWI CKKSAASCSR DEEQFLSPAP ATPNPPPAVE PKSCDKTHTC
PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN
AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP
QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTPP VLDSGDSFFL
YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG KHHHHHH