
Product Data Sheet

Product Name: CD209 Human
 Cat. No.: GP26245
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	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		
Amino Acid Sequence	ADPVSKVPSS ISQEQSRQDA IYQNLTLKKA AVGELSEKSK LQEIQELTQ LKAAVGELPE KSKLQEIQE LTRLKAAVGE LPEKSKLQEI YQELTWLKAA VGELPEKSKM QEIQELTRL KAAVGELPEK SKQQEIQEL TRLKAAVGEL PEKSKQQEIQELTRLKAAV GELPEKSKQQ EIYQELTQLK AAVERLCHPC PWEWTFQGN CYFMSNSQRN WHDSITACKE VGAQLVVIKS AEEQNFLQLQ SSRSNRFTWM GLSDLNQEQT 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 PENNYKTPPP VLDSGDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG KHHHHHH		
Formulation	The CD209 solution (0.25mg/ml) contains 10% glycerol and Phosphate-Buffered Saline (pH 7.4).		

Introduction

CD209 (a member of the C-typelectin family) is Pathogen-recognition receptor expressed on the surface of immature dendritic cells (DCs) andtakes part in initiation of primary immune response.CD209has a high affinity for theICAM3 molecule and binds various microorganisms by recognizing high-mannose-containing glycoproteins ontheir envelopes and especially functions as receptor for several viruses such as HIV and Hepatitis C. Along with other C-typelectins, CD209is involved in recognition of tumors by

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

dendritic cells. CD209 also initiates natural immunity by modulating toll-like receptors.

Stability

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.

Background

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 66.5kDa. CD209 is fused to a 239 amino acid hIgG-His-Tag at C-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA