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32-13423: SIGLEC7 Human

Alternative Name :	Sialic Acid Binding Ig Like Lectin 7, QA79 Membrane Protein, SIGLEC-7, D-Siglec, AIRM-1,Â CDw328, AIRM1, P75, Sialic Acid Binding Ig-Like Lectin 19, Pseudogene, Adhesion Inhibitory Receptor Molecule 1, Siglec-7, Sialic Acid Binding Ig-Like Lectin, Pseudogene 2, Sialic Acid Binding Immunoglobulin-Like Lectin 7, Adhesion Inhibitory Receptor Molecule 1, Sialic Acid Binding Ig-Like Lectin 7, Sialic Acid-Binding Ig-Like Lectin 7, CD328 Antigen, SIGLEC19P, P75/AIRM1, SIGLECP2, CD328, QA79.

Description

Source: Sf9, Baculovirus cells.
Sterile filtered colorless solution.
Sialic acid-binding Ig-like lectin 7 isoform 1, also known as SIGLEC7, is a newly discovered family of sialic acid-binding lectins of the immunoglobulin (Ig) superfamily. The extracellular portion has two Ig-like domains, with the amino-terminal V-set Ig domain containing amino acid residues which known to be implicated in sialic acid recognition by other Siglecs. The combination of an extracellular sialic acid binding site and an intracellular ITIM motif proposes that SIGLEC7 is involved in trans-membrane regulatory signaling reactions. Furthermore, on the cell surface SIGLEC7 exists as a monomer and is expressed on natural killer cells.
SIGLEC7 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 577 amino acids (19-353a.a.) and having a molecular mass of 64.2kDa. SIGLEC7 is expressed with a 239 amino acid hIgG-His-tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	SIGLEC7 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.
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 :	ADPQKSNRKD YSLTMQSSVT VQEGMCVHVR CSFSYPVDSQ TDSDPVHGYW FRAGNDISWK APVATNNPAW AVQEETRDRF HLLGDPQTKN CTLSIRDARM SDAGRYFFRM EKGNIKWNYK YDQLSVNVTA LTHRPNILIP GTLESGCFQN LTCSVPWACE QGTPPMISWM GTSVSPLHPSÂ TTRSSVLTLI PQPQHHGTSL TCQVTLPGAG VTTNRTIQLN VSYPPQNLTV TVFQGEGTAS TALGNSSSLS VLEGQSLRLV CAVDSNPPAR LSWTWRSLTL YPSQPSNPLV LELQVHLGDE GEFTCRAQNS LGSQHVSLNL SLQQEYTGKM RPVSGVLLLE PKSCDKTHTC PPCPAPELLGÂ GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTTPP VLDSDGSFFL YSKLTVDKSRÂ WQQGNVFSCS VMHEALHNHY TQKSLSLSPG KHHHHHH.