
Product Data Sheet

Product Name: SIGLEC5 Human
 Cat. No.: GP24581
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Synonyms Sialic Acid Binding Ig Like Lectin 5; Obesity-Binding Protein 2; OB-Binding Protein 2; CD33 Antigen-Like 2; SIGLEC-5; CD33L2; OB-BP2; OBBP2; Sialic Acid-Binding Immunoglobulin-Like Lectin 5; Sialic Acid Binding Ig-Like Lectin 5; Sialic Acid-Binding Ig-Like Lectin 5; CD170 Antigen; CD170; Sialic acid-binding Ig-like lectin 5; Siglec-5; CD33 antigen-like 2; Obesity-binding protein 2; OB-BP2; OB-binding protein 2; CD170.

Amino Acid Sequence
 ADLEKPVYEL QVQKSVTVQE GLCVLVPCSF SYPWRSWYSS PPLYVYWFRD
 GEIPYYAEVV ATNNPDRRVK PETQGRFRL GDVQKKNC SL SIGDARMEDT
 GSYFFRVERG RDVKYSYQQN KLNLEVTALI EKPDHFLEP LESGRPTRLS
 CSLPGSCEAG PPLTFSWTGN ALSPLDPETTRSSELTTPR PEDHGTNLTC
 QMKRQGAQVT TERTVQLNVS YAPQTITIFR NGIALEILQN TSYLPVLEGQ
 ALRLLCDAPS NPPAHL SWFQ GSPALNATPI SNTGILELRR VRSAAEEGGFT
 CRAQHPLGFL QIFLNLSVYS LPQLLGPSCS WEAEG LHCRC SFRARPAPSL
 CWRLEEKPLEGNSSQGSFKV NSSSAGPWAN SSLILHGGLS SDLKV SCKAW
 NIYGSQSGSV LLLQGRSNLG TGVVPAALLE PKSCDKTHTC PPCPAPELLG
 GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN
 AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNKALPAPIEKTI
 SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ
 PENNYKTPPP VLDS DGSFFL YSKLTVDKSR WQQGNV FSCS VMHEALHNHY
 TQKSLSLSPG KHHHHHH.

Formulation SIGLEC5 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4).

Introduction

Sialic Acid Binding Ig Like Lectin 5, also known as SIGLEC5 is a member of the

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immunoglobulin superfamily and SIGLEC family. SIGLEC5 contains of 2 Ig-like C2-type domains and 1 Ig-like V-type domain. In addition, SIGLEC5 is expressed by monocytic/myeloid lineage cells. SIGLEC5 is expressed at high levels in peripheral blood leukocytes, spleen, and at lower levels in lymph node, appendix, pancreas, lung, and thymus.

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

SIGLEC5 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 667 amino acids (17-441a.a.) and having a molecular mass of 74.2kDa (Molecular size on SDS-PAGE will appear at approximately 70-100kDa).

SIGLEC5 is expressed with a 239 amino acid hlgG-His Tag at C-Terminus and purified by proprietary chromatographic techniques.

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