

SIGLEC5, 17-441aa, Human, hlgG-His-tag, Baculovirus

Cat.NO.: TP03937

3th Edition

Synonyms:Sialic acid-binding Ig-like lectin 5, SIGLEC5, CD170, CD33L2, OB-BP2, OBBP2, SIGLEC-5

Description:SIGLEC5, also known as sialic acid-binding Ig-like lectin 5, belongs to immunoglobulin superfamily and SIGLEC family. This protein is composed of 2 Ig-like C2-type domains and 1 Ig-like V-type domain. Also, it is expressed by monocytic/myeloid lineage cells. It is found at high levels in peripheral blood leukocytes, spleen, and at lower levels in lymph node, appendix, pancreas, lung, and thymus. Recombinant human SIGLEC5, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4)

Molecular Weight:74.2kDa (667aa), 70-100kDa (SDS-PAGE under reducing conditions.)

Sequences:

ADLEKPVYELQVQKSVTVQEGLCVLVPCSFSPWRSWYSSPLYVYWFRDGEIPYYAEVVATNPNDRRVKPETQG
RFRLLGDVQKKNCSLSIGDARMEDTGSYFFRVERGRDVKYSYQQNKNLNEVTALIEKPDHIFLEPLESGRPTRLSCS
LPGSCEAGPPLTFSWTGNALSPLDPETTRSELTLTPRPEDHGTNLTCQMKRQGAQVTTERTVQLNVSYPQTITI
FRNGIALEILQNTSYLPVLEGQALRLLCDAPSNPPAHLSWFQGSPALNATPISNTGILELRRVRSAAEEGGFTCRAQH
PLGFLQIFLNLSVYSLPQLLGPSCSWEAEGLHCRCSFRARPAPSLCWRLEEKPLEGNSSQGSFKVNSSSAGPWAN
SSLILHGGLSSDLKVSKAWNIYGSQSGSVLLLQGRSNLGTGVVPAALLEPKSCDKTHTCPPCPAPELLGGPSVFLF
PPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTP
PVLDSGDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGKHHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.