

Recombinant Human SIGLEC10 Protein (17-455aa), C-hlgG-His-Tagged

Product Information

Cat	IMP-9499
Official Symbol	SIGLEC10
Product Overview	Recombinant human Siglec-10, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Description	Siglec-10, also known as Sialic acid binding Ig like lectin 10 isoform 3, is a member of the immunoglobulin superfamily that is expressed on eosinophils, neutrophils, monocytes, and B cells. This protein bears an Immunoreceptor tyrosine based inhibitory motif within its cytoplasmic domain. It is a ligand for CD52, the target of the therapeutic monoclonal antibody Alemtuzumab. Also, it binds to Vascular adhesion protein 1 (VAP-1) and to the co-stimulatory molecule CD24. This binding can be modulated by cis interactions of Siglec-10 with sialated molecules on the same cell.
Expression System	Baculovirus
Species	Human
Tag	C-hlgG-His
Form	Liquid in Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
Molecular Mass	75.6 kDa (678 aa)
Protein length	17-455
AA Sequence	MDGRFWIRVQESVMVPEGLCSVPCSFYSYPRQDWTGSTPAYGYWFKAV TETTKGAPVATNHQSREVEMSTRGRFQLTGDPKGNCSLVIRDAQMQD ESQYFFRVERGSYVRYNFMNDGFFLKVTALTQKPDVYIPETLEPGQPVTV ICVFNWAFEECPSPFSWTGAALSSQGKPTTSHFSVLSFTPRPQDHNT DLTCHVDFSRKGVSAQRTVRLRVAYAPRDLVISISRDNTPALEPQPQGNV PYLEAQKGGQFLRLLCAADSQPPATLSWVLQNRVLSSSHWPWGPRLGLEL PGVKAGDSGRYTCRAENRLGSQQRALDLSVQYPPENLRVMVSQANRTV LENLGNGTSLPVLEGQSLCLVCVTHSSPPARLSWTQRGQVLSPSQPSDP GVLELPRVQVEHEGEFTCHARHPLGSQHVSLSLSVHYKKGLISTAFSN<L EPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVD VSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDW LNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQV SLTCLVKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFFLYSKLTVD KSRWQQGNVFCFSVMHEALHNHYTQKSLSLSPGKHHHHHH>

Endotoxin < 1 EU/ μ g of protein (determined by LAL method)

Purity > 85% by SDS-PAGE

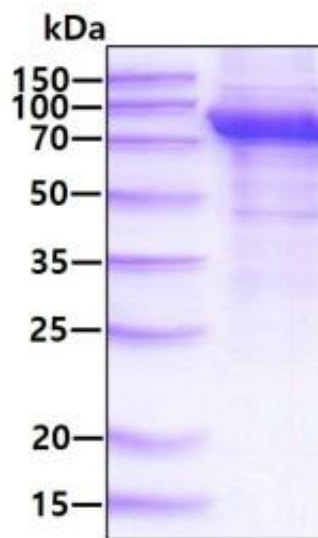
Applications SDS-PAGE

Notes *Note: For research use only. This product is not intended or approved for human, diagnostics or veterinary use.*

Storage *Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.*

Concentration 0.25 mg/mL (determined by absorbance at 280nm)

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.