

Recombinant Human Selectin L, Fc Chimera

Cat. No. SELL-451H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human selectin L encoding the signal peptide, pro-peptide and extracellular domain of human L-Selectin (aa 1-343) was expressed in modified <i>human 293 cells</i> . It was fused to the Fc region of human IgG1 (aa 93-330).
Species	Human
Source	HEK293
ProteinLength	1-343 a.a.
Description	L-Selectin (CD62L) is a type I membrane protein expressed on the surface of T cells, B cells, monocytes, neutrophils, macrophages, eosinophils and NK cells. L-Selectin mediates entry of lymphocytes into secondary lymphoid tissue by adherence to endothelial cells of high endothelial venules (HEV). L-Selectin has been considered as a suitable target for treatment or prevention of inflammatory diseases such as asthma, rheumatoid arthritis, inflammatory bowel disease, allergies and atherosclerosis.
Amino Acid Sequence	WTYHYSEKPMNWQRA RRFCRDNYTDLVA IQNKAEIEYLEKTL PFSRSYYWIGIRKI GGIWTWVGTNKS LTEEAENWGDGE PNNKKNKEDCVE IYIKRNKDAGKWN DDA CHK LKAALCYTASCQPWS CSGHGECVEIIN NYTCNCDVGY YGPQCQFVIQ CEP LEA PEL G T MDCTHPLGNF SFS QCAF SCSEGTLN TGIEETTC GPFGNWS SPE PTCQV IQC E P LSA PDLGIMNC SH PLASF SFTSACT FICSEGTEL IGKKKTICES SG IW SNPSPI CQ KLDKSFS MIKEGDW PKVDKKV EPKSCDK THTCPPC PAP

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ELLG GPSVFLF PPKPKDT LMISRTPE VTCVVVD VSHEDPE VKFNWYV DGV EVH
 N AKTKPREE QYNSTYR VVS VLTVL HQDWLNG KEYKCRV SNKALPA PIEKTISKA
 KGQPREP QVYTLPP SRDELTK NQVSLTCLV KGFYPSDIA VEWESNG
 QPENNYKT TPPVLDSG GSFFLYSKL TVDKS RWQ QGNV FSCSV MHEAL HNHYT
 QKSLS LS PG K.

Molecular Mass	L-Selectin-Fc Chimera migrates as a broad band between 75 and 105 kDa in SDS-PAGE due to post-translation modifications, in particular glycosylation. This compares with the unmodified L-Selectin-Fc Chimera that has a predicted molecular mass of 59.9kDa.
PI	L-Selectin-Fc Chimera separates into a number of isoforms with a pI between 4.6 and 6.5 in 2D PAGE due to post-translational modifications, in particular glycosylation. This compares with the unmodified L-Selectin-Fc Chimera that has a predicted pI of 5.92.
% Carbohydrate	Purified L-Selectin-Fc Chimera consists of 20-45% carbohydrate by weight.
Glycosylation	L-Selectin-Fc Chimera has N-linked and possibly O-Linked oligosaccharides.
Purity	>95%, as determined by SDS-PAGE and visualized by silver stain.
Formulation	When reconstituted in 0.5 ml sterile phosphate-buffered saline, the solution will contain 1% human serum albumin (HSA) and 10% trehalose.
Reconstitution	It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial.
Storage	Lyophilized products should be stored at 2 to 8°C. Following reconstitution short-term storage at 4°C is recommended, and longer-term storage of aliquots at -18 to -20°C.

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Repeated freeze thawing is not recommended.

GENE INFORMATION

Gene Name	SELL selectin L [Homo sapiens]
Synonyms	SELL; selectin L; CD62L; LAM1; LECAM1; LEU8; LNHR; LSEL; LYAM1; PLNHR; TQ1; CD62 antigen-like family member L; L-selectin; gp90-MEL; leukocyte adhesion molecule-1; leukocyte surface antigen Leu-8; leukocyte-endothelial cell adhesion molecule 1; lymph node homing receptor; lymphocyte adhesion molecule 1; pln homing receptor; CD62L antigen; Leukocyte adhesion molecule 1; Leukocyte surface antigen Leu-8; Leukocyte-endothelial cell adhesion molecule 1; Lymph node homing receptor
Gene ID	6402
mRNA Refseq	NM_000655
Protein Refseq	NP_000646
MIM	153240
UniProt ID	P14151
Chromosome Location	1q23-q25
Pathway	Cell adhesion molecules (CAMs); Hemostasis; Signaling in Immune system
Function	glycosphingolipid binding; heparin binding; protein binding; sugar binding

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