

L-selectin/CD62L Protein, Mouse (294a.a, HEK293, C-Fc-His)

Cat. No.:	HY-P70312
Synonyms:	rMuL-selectin, His; L-selectin; Sell; CD62 antigen-like family member L; Leukocyte adhesion molecule 1; LECAM1; Lymph node homing receptor; Lymphocyte antigen 22; CD62L
Species:	Mouse
Source:	HEK293
Accession:	P18337 (W39-N332)
Gene ID:	20343
Molecular Weight:	90-120 kDa

PROPERTIES

AA Sequence	<pre> W T Y H Y S E K P M N W E N A R K F C K Q N Y T D L V A I Q N K R E I E Y L E N T L P K S P Y Y Y W I G I R K I G K M W T W V G T N K T L T K E A E N W G A G E P N N K K S K E D C V E I Y I K R E R D S G K W N D D A C H K R K A A L C Y T A S C Q P G S C N G R G E C V E T I N N H T C I C D A G Y Y G P Q C Q Y V V Q C E P L E A P E L G T M D C I H P L G N F S F Q S K C A F N C S E G R E L L G T A E T Q C G A S G N W S S P E P I C Q V V Q C E P L E A P E L G T M D C I H P L G N F S F Q S K C A F N C S E G R E L L G T A E T Q C G A S G N W S S P E P I C Q E T N R S F S K I K E G D Y N </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	L-selectin, a calcium-dependent lectin, plays a crucial role in cell adhesion through its binding to glycoproteins on adjacent cells. Specifically, it facilitates the attachment of lymphocytes to endothelial cells in high endothelial venules within peripheral lymph nodes, promoting the initial tethering and rolling of leukocytes along the endothelium. This process requires the interaction of L-selectin with SELPLG/PSGL1 and PODXL2, which is dependent on the sialyl Lewis X glycan
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modification of SELPLG and PODXL2, as well as the tyrosine sulfation modifications of SELPLG. Notably, the sulfation of 'Tyr-51' on SELPLG is of particular importance for the binding of L-selectin.

Caution: Product has not been fully validated for medical applications. For research use only.

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