

L-selectin/CD62L Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P77483
Synonyms:	L-selectin; Sell; CD62 antigen-like family member L; LECAM1; CD62L; LAM-1
Species:	Cynomolgus
Source:	HEK293
Accession:	Q95198 (D29-N332)
Gene ID:	701419
Molecular Weight:	Approximately 50-65 kDa due to the glycosylation

PROPERTIES

AA Sequence	<pre> D F L A H H G T D C W T Y H Y S E N P M N W Q K A R R F C R E N Y T D L V A I Q N K A E I E Y L E K T L P F S P S Y Y W I G I R K I G G I W T W V G T N K S L T Q E A E N W G D G E P N N K K N K E D C V E I Y I K R K K D A G K W N D D A C H K P K A A L C Y T A S C Q P W S C S G H G E C V E I I N N Y T C N C D V G Y Y G P Q C Q F V I Q C E P L E P P K L G T M D C T H P L G D F S F S S Q C A F N C S E G T N L T G I E E T T C G P F G N W S S P E P T C Q V I Q C E P L S A P D L G I M N C S H P L A S F S F S S A C T F S C S E G T E L I G E K K T I C E S S G I W S N P N P I C Q K L D R S F S M I K E G D Y N </pre>
Biological Activity	Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When 5×10^4 cells/well are added to cyno L-Selectin coated plates (10 $\mu\text{g/mL}$, 100 $\mu\text{L/well}$), will induce 55.05% adhesion on U937 cells after 1 hour at 37°C.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, 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 $\mu\text{g/mL}$ 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, facilitates cell adhesion by binding to glycoproteins on neighboring cells. It plays a significant role in the adherence of lymphocytes to endothelial cells in high endothelial venules of peripheral lymph nodes and promotes the initial tethering and rolling of leukocytes in endothelial tissues. The interaction between L-selectin and SELPLG/PSGL1 and PODXL2 is crucial for the recruitment and rolling of leukocytes, which relies on the sialyl Lewis X glycan modification of SELPLG and PODXL2, as well as the tyrosine sulfation modifications of SELPLG. Notably, sulfation on 'Tyr-51' of SELPLG is particularly important for the binding of L-selectin.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA