

Recombinant Mouse Selectin, Lymphocyte, Fc-His

Cat. No. Sell-1764M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse L-selectin was fused to the carboxy-terminal 6X his-tagged Fc region of human IgG1 via a polypeptide linker inserted into a suitable mammalian expression vector and expressed in <i>NSO cells</i> .
Species	Mouse
Source	Mammalian Cells
Description	L-selectin, also known as CD62L, is a cell adhesion molecule consisting of a large, highly glycosylated, extracellular domain found on leukocytes. It belongs to the selectin family of proteins, which recognise sialylated carbohydrate groups. L-selectin acts as a "homing receptor" for leukocytes to enter secondary lymphoid tissues via the high endothelial venules. L-selectin is an effective marker for separating lymphoid progenitors from myeloid progenitors and hematopoietic stem cells in bone marrow.
Molecular Weight	The predicted molecular weight of Recombinant Mouse L-Selectin is Mr 60.5 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 150 kDa.
State Of Matter	Lyophilized.
Purity	>90% by SDS Page and analyzed by silver stain.
Formulation	This recombinant protein was 0.2 μ m filtered and lyophilized from modified Dulbecco's phosphate buffered saline (1X PBS) pH 7.2 – 7.3 with no calcium, magnesium, or

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	preservatives.
Endotoxin	<0.1 EU/g as determined by the LAL method.
Biological Activity	The biological activity of Mouse L-Selectin was determined by the ability of the immobilized protein to support the adhesion of LS180 cells. When 1 x 10 ⁴ cells/well are added to L-Selectin coated plates approximately 90 - 100% will adhere for 1 hour incubation at RT.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	Sell selectin, lymphocyte [<i>Mus musculus</i>]
Synonyms	Sell; selectin, lymphocyte; Lnhr; CD62L; Ly-22; Lyam1; Ly-m22; Lyam-1; LECAM-1; AI528707; L-selectin; selectin L
Gene ID	20343
mRNA Refseq	NM_001164059
Protein Refseq	NP_001157531
UniProt ID	P18337
Chromosome	86.6 cM

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Location

Pathway

Cell adhesion molecules (CAMs)

Function

Binding; protein binding; sugar binding

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