

Recombinant Mouse Selectin, Lymphocyte, Fc-His

Cat. No. Sell-661M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Selectin encoding the extracellular domain (Met 1- Asn 332) of mouse SELL (NP_035476.1) precursor was fused with the C-terminal his-tagged Fc region of human IgG1 at the C-terminus. It was produced in HEK293.
Species	Mouse
Source	HEK293
Protein Length	1-332 a.a.
Description	L-selectin (SELL), also known as CD62L, is a cell adhesion molecule found on leukocytes. It belongs to the selectin family of proteins, which recognise sialylated carbohydrate groups and are involved in the regulation of leukocyte traffic. Selectins are composed of an N-terminal C-type lectin domain, a single EGF domain, a variable number of short consensus repeat (SCR) domains, a transmembrane region and a cytoplasmic tail. L-selectin is the only selectin expressed on leukocytes and mediates a number of leukocyte-endothelial interactions. L-selectin acts as a "homing receptor" for leukocytes to enter secondary lymphoid tissues via high endothelial venules. Ligands present on endothelial cells will bind to leukocyte expressing L-selectin, slowing leukocyte trafficking through the blood, and facilitating entry into a secondary lymphoid organ at that point. L-selectin is commonly found on the cell surfaces of T cells.
Molecular Mass	The recombinant mouse SELL/Fc is a disulfide-linked homodimer after removal of the

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signal peptide. The reduced monomer consists of 542 amino acids and has a predicted molecular mass of 61 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm SELL/Fc monomer is approximately 100-110 kDa due to glycosylation.

Predicted N Terminal	Trp 39.
Endotoxin	< 1.0 EU per 1g cytokine as determined by the LAL method.
Formulation	Supplied as a 0.2m filtered solution of PBS, pH7.4.
Reconstitution	Follow the instructions on the vial. Centrifuge the vial at 4 before opening to recover the entire contents.
Purity	> 97%, as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt -70°C.
Storage	Store it under sterile conditions at -70°C immediately after receipt. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	Sell selectin, lymphocyte [<i>Mus musculus</i>]
Synonyms	Sell; selectin, lymphocyte; Lnhc; CD62L; Ly-22; Lyam1; Ly-m22; Lyam-1; LECAM-1; AI528707; L-selectin; selectin L
Gene ID	20343
mRNA Refseq	NM_001164059

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Protein Refseq	NP_001157531
UniProt ID	P18337
Chromosome Location	86.6 cM
Pathway	Cell adhesion molecules (CAMs)
Function	Binding; protein binding; sugar binding

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