

Recombinant Mouse Selectin, Endothelial Cell, Fc-His

Cat. No. Sele-1720M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse E Selectin (Trp22 -Pro557) produced in NSO Cells was fused to Fc region of human IgG1 (Pro100 - Lys330) - 6xHis tag
Species	Mouse
Source	Mammalian Cells
Protein Length	22-557 a.a.
Description	E-selectin, also known as CD62E is an inducible leukocyte adhesion glycoprotein specifically expressed by endothelial cells. E-selectin helps initiate recruitment of circulating leukocytes to cutaneous, bone and inflamed tissues. E-selectin is found in inflammatory skin lesions in psoriasis, contact dermatitis, and delayed- type hypersensitivity, in arthritic joints, and in heart and renal allografts undergoing rejection. E-selectin-targeting antibody drug conjugate has potential as a prostate cancer therapy.
Molecular Weight	The predicted molecular weight of Recombinant Mouse E-Selectin is Mr 85.8 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 150 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.

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Formulation	This recombinant protein was 0.2 µm filtered and lyophilized from modified Dulbecco's phosphate buffered saline (1X PBS) pH 7.2 – 7.3 with no calcium, magnesium, or preservatives.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Biological Activity	Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When 5 x 10 ⁴ cells/well are added to mouse E Selectin coated plates (2 µg/ml with 100 µl/well), approximately 85 - 100% will adhere.
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	Sele selectin, endothelial cell [Mus musculus]
Synonyms	Sele; selectin, endothelial cell; Elam; CD62E; E-selectin
Gene ID	20339
mRNA Refseq	NM_011345
Protein Refseq	NP_035475
UniProt ID	Q00690

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Chromosome Location	1 H2.2; 1 86.6 cM
Pathway	Cell adhesion molecules (CAMs)
Function	Binding; protein binding; sugar binding

PDB rendering based on 1esl.

