Human E-Selectin/CD62E Protein

Cat. No. ESE-HM201

Description

Source	Recombinant Human E-Selectin/CD62E Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Trp22-Pro556.
Accession	P16581
Molecular Weight	The protein has a predicted MW of 85.4 kDa. Due to glycosylation, the protein migrates to 90-130 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

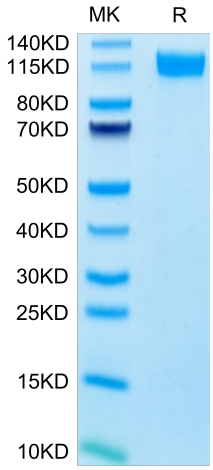
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

E-Selectin (Endothelial Leukocyte Adhesion Molecule-1, ELAM-1, CD62E), a member of the Selectin family, is a 107 - 115 kDa cell surface glycoprotein. It is transiently expressed on vascular endothelial cells in response to IL-1 beta and TNF-alpha.E-selectin mediates in the adhesion of blood neutrophils in cytokine-activated endothelium through interaction with SELPLG/PSGL1. May have a role in capillary morphogenesis.

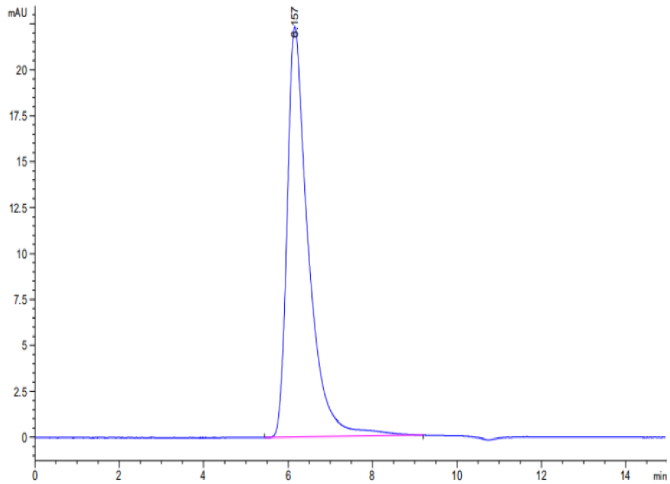
Assay Data

Tris-Bis PAGE



Human E-selectin on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

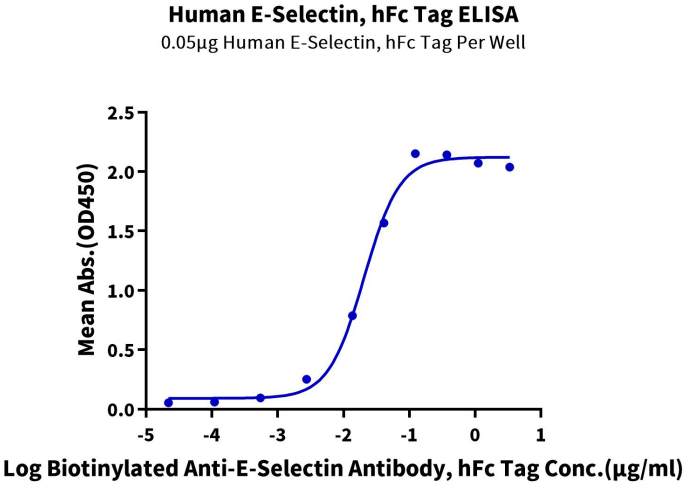
SEC-HPLC



The purity of Human E-selectin is greater than 95% as determined by SEC-HPLC.

ELISA Data

Assay Data



Immobilized Human E-Selectin, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-E-Selectin Antibody, hFc Tag with the EC50 20.5ng/ml determined by ELISA.