

Biotinylated Human E-Selectin/CD62E Protein

Cat. No. ESE-HM401B

Description

Source	Recombinant Biotinylated Human E-Selectin/CD62E Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Trp22-Pro556.
Accession	P16581
Molecular Weight	The protein has a predicted MW of 61.6 kDa. Due to glycosylation, the protein migrates to 80-100 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

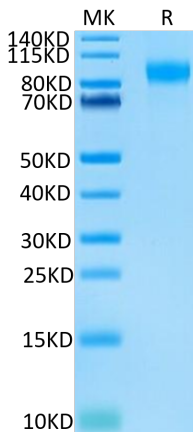
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. 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.

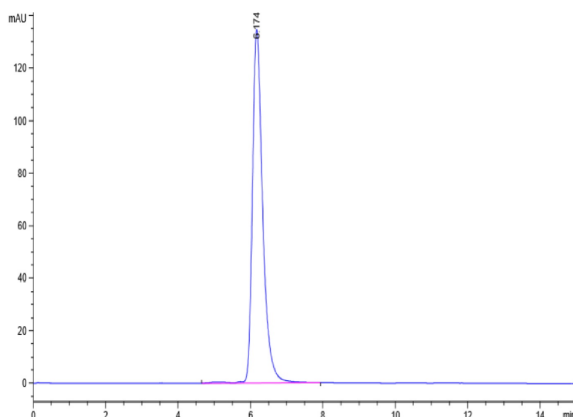
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



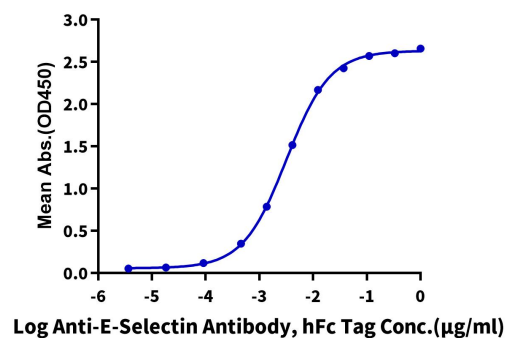
The purity of Biotinylated Human E-selectin is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Biotinylated Human E-selectin, His Tag ELISA

0.1µg Biotinylated Human E-selectin, His Tag Per Well



Immobilized Biotinylated Human E-selectin, His Tag at 1µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for Anti-E-Selectin Antibody, hFc Tag with the EC50 of 3.2ng/ml determined by ELISA.