

E-Selectin/CD62E Protein, Mouse (HEK293)

Cat. No.:	HY-P74160
Synonyms:	E-selectin; ELAM-1; LECAM2; CD62E; SELE
Species:	Mouse
Source:	HEK293
Accession:	Q00690 (W22-P557)
Gene ID:	20339
Molecular Weight:	Approximately 58.5 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	E-Selectin/CD62E protein, a cell-surface glycoprotein, plays a crucial role in immunoadhesion by mediating the adhesion of blood neutrophils to cytokine-activated endothelium through interaction with SELPLG/PSGL1. Beyond its involvement in immune responses, E-Selectin may also contribute to capillary morphogenesis. The protein interacts with SELPLG/PSGL1 and PODXL2 through the sialyl Lewis X epitope, with SELPLG sulfation seemingly not required for this interaction. These interactions highlight the multifaceted roles of E-Selectin in mediating cell adhesion events and potentially influencing processes related to vascular development.
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Caution: Product has not been fully validated for medical applications. For research use only.

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