

Human CellExp CD62E/E-Selectin, human recombinant protein
SELE, RP1-117P20.2, CD62E, ELAM1, ESEL, LECAM2, E-Selectin
Catalog # PBV11055r**Specification**

Human CellExp CD62E/E-Selectin, human recombinant protein - Product infoPrimary Accession
Calculated MW[P16581](#)

This protein is fused with a 6×his tag at C-terminus and has a calculated MW of 60 kDa expressed. The predicted N-terminus is Trp22. Protein migrates as 110 kDa in reduced SDS-PAGE resulting from glycosylation. KDa

Human CellExp CD62E/E-Selectin, human recombinant protein - Additional InfoGene ID
Gene Symbol
Other Names
SELE, RP1-117P20.2, CD62E, ELAM1, ESEL, LECAM2, E-Selectin**6401**
SELEGene Source
Source
Assay&Purity
Assay2&Purity2
Recombinant
Results

Human
HEK293 cells
SDS-PAGE; ≥95%
N/A;
Yes
Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When 5 x 10⁴ cells/well are added to human E-Selectin coated plates (2 µg/mL with 100 µL/well), >80% cells will adhere after 1 hour incubation at 37°C.

Target/Specificity
CD62E/E-Selectin**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized**Storage**

-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

Human CellExp CD62E/E-Selectin, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp CD62E/E-Selectin, human recombinant protein - Images

Human CellExp CD62E/E-Selectin, human recombinant protein - Background

E-Selectin, also known as CD62 antigen-like family member E (CD62E), endothelial-leukocyte adhesion molecule 1 (ELAM-1), or leukocyte-endothelial cell adhesion molecule 2 (LECAM2), 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 β and TNF α . E selectin has a cassette structure: an N-terminal, C-type lectin domain, an EGF (epidermal-growth-factor)-like domain, 6 Sushi domain (SCR repeat) units, a transmembrane domain (TM) and an intracellular cytoplasmic tail (cyto). During inflammation, E-selectin plays an important part in recruiting leukocytes to the site of injury. The local release of cytokines IL-1 and TNF- α by damaged cells induces the over-expression of E-selectin on endothelial cells of nearby blood vessels. E-selectin mediates the adhesion of tumor cells to endothelial cells, by binding to E-selectin ligands expressed by neutrophils, monocytes, eosinophils, memory-effector T-like lymphocytes, natural killer cells or cancer cells. Furthermore, a number of studies have reported that levels of E-Selectin may be elevated in subjects with a variety of pathological conditions.

Human CellExp CD62E/E-Selectin, human recombinant protein - References

Hession C.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:1673-1677(1990).
Bevilacqua M.P.,et al.Science 243:1160-1165(1989).
Collins T.,et al.J. Biol. Chem. 266:2466-2473(1991).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.