Recombinant Human E-selectin/SELE/CD62E Protein

Catalog No.: RP00293

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Sequence Information

Species
Human

Gene ID
6401

Swiss Prot
P16581

Tags
C-His

Synonyms
SELE,CD62E,ELAM,ELAM1,ESEL, LECAM2

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
59.48 kDa

Observed MW
110-120 kDa

Endotoxin
Please contact us for more information.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

The protein is found in cytokine-stimulated endothelial cells and is thought to be responsible for the accumulation of blood leukocytes at sites of inflammation by mediating the adhesion of cells to the vascular lining. It exhibits structural features such as the presence of lectin- and EGF-like domains followed by short consensus repeat (SCR) domains that contain 6 conserved cysteine residues. These proteins are part of the selectin family of cell adhesion molecules. Adhesion molecules participate in the interaction between leukocytes and the endothelium and appear to be involved in the pathogenesis of atherosclerosis.

Basic Information

Description
Recombinant Human E-selectin/SELE/CD62E Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Trp22-Pro556) of human E-Selectin/CD62E (Accession #NP_000441.2) fused with a 6×His tag at the C-terminus.

Activity
Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When 5 x 104cells/well are added to human E-Selectin/His Chimera coated plates (2 μg/mL with 100 μL/well), approximately 40-50% will adhere after 1 hour incubation at 37℃.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

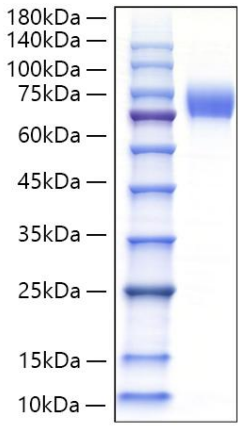
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human E-selectin/SELE/CD62E Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.