

Rat E-Selectin/CD62e/SELE (Fc Tag) recombinant protein



Catalog Number: 501235

General Information

Gene Name Synonym

CD62 antigen-like family member E; Endothelial leukocyte adhesion molecule 1; Leukocyte-endothelial cell adhesion molecule 2

Protein Construction

A DNA sequence encoding the rat SELE (NP_620234.1) (Met1-Pro494) was expressed with the Fc region of human IgG1 at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to support the adhesion of U937 cells.

When 5×10^4 cells/well are added to SELE coated plates (2 $\mu\text{g}/\text{mL}$ and 100 $\mu\text{L}/\text{well}$), approximately >85% cells will adhere specifically after 60 minutes at 37°C.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Trp 22

Molecular Mass

The recombinant rat SELE/Fc is a disulfide-linked homodimer. The reduced monomer comprises 714 amino acids and has a predicted molecular mass of 78.8 kDa. The apparent molecular mass of the protein is approximately 114-119 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

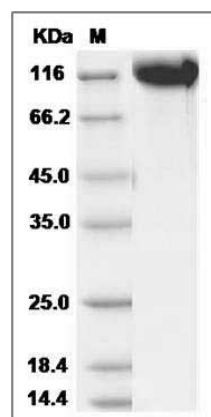
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



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SDS-PAGE