

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



Catalog Number: 503878

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 (P98105-1) extracellular domain (Met 1-Pro 494) was expressed, fused with a polyhistidine tag 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 human histiocytic lymphoma cells. When 5×10^4 cells/well are added to rat E Selectin/Fc Chimera coated plates (2 $\mu\text{g/mL}$ with 100 $\mu\text{L/well}$), approximately 30%-60% will adhere for 1 hour incubation at 37°C. Optimal dilutions should be determined by each laboratory for each application.

Purity

> 97 % 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 comprises 484 amino acids and predicts a molecular mass of 53 kDa. The apparent molecular mass of the rat SELE is approximately 70-80 kDa in SDS-PAGE under reducing conditions due to glycosylation.

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

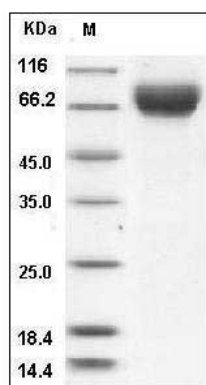
Storage

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