

Mouse SELP / P Selectin (His Tag) recombinant protein



Catalog Number: 503628

General Information

Gene Name Synonym

CD62 antigen-like family member P; Granule membrane protein 140; Leukocyte-endothelial cell adhesion molecule 3; Platelet activation dependent granule-external membrane protein

Protein Construction

A DNA sequence encoding the mouse SELP (Q01102) (Met1-Ala709) was expressed with a C-terminal polyhistidine tag.

Organism

Mouse

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 SELP coated plates (1 $\mu\text{g/mL}$ and 100 $\mu\text{L/well}$), 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 42

Molecular Mass

The recombinant mouse SELP comprises 679 amino acids and has a predicted molecular mass of 74 kDa. The apparent molecular mass of the protein is approximately 116 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

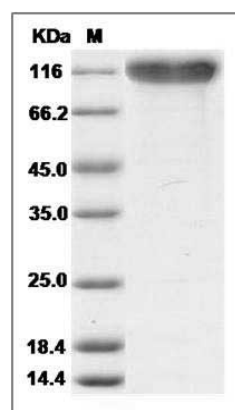
Storage

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



Mouse SELP / selectin P / P-selectin Protein (His Tag) SDS-PAGE