

Mouse CD34 (His Tag) recombinant protein



Catalog Number: 500214

General Information

Protein Construction

A DNA sequence encoding the extracellular domain of mouse CD34 (NP_001104529.1) (Met 1-Thr 287) was expressed, with a polyhistidine tag at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to support the adhesion of the HUVEC human umbilical vein endothelial cell line. When 4×10^4 cells/well are added to mouse CD34 coated plates (0.8 $\mu\text{g}/\text{ml}$, 100 $\mu\text{l}/\text{well}$), approximately >30 % will adhere after one hour at 37 °C.

Purity

> 98 % 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

Thr 35

Molecular Mass

The recombinant mouse CD34 consists of 264 amino acids and has a predicted molecular mass of 28.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmCD34 is approximately 50-60 kDa 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

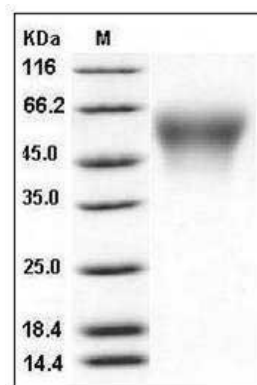
Storage

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



Mouse CD34 Protein (His Tag) SDS-PAGE