

Human CD31/PECAM-1 (His Tag) recombinant protein



Catalog Number: 503159

General Information

Gene Name Synonym

EndoCAM; GPIIA'; PECA1

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Lys 601) of human CD31 (EAW94208.1) was expressed with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells.

When 8×10^4 cells/well are added to CD31-His coated plates (10 μ g/mL, 100 μ L/well) in the presence of 20 ng/mL PMA, approximately 35-45% will adhere after 30 minutes at 37°C.

Purity

> 97 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μ g 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

Gln 28

Molecular Mass

The secreted recombinant human CD31 consists of 585 amino acids after removal and predicts a molecular mass of 66 kDa. As a result of glycosylation, the rhCD31 migrates as approximately 100-110 kDa band 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

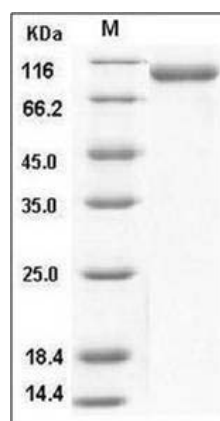
Storage

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



Human CD31 / PECAM1 Protein (His Tag) SDS-PAGE