

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



Catalog Number: 500951

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 the fused Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its 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 sCD31-Fc coated plates (1.25 µg/mL, 100 µL/well) in the presence of 20 ng/mL PMA, approximately 20-45% will adhere after 30 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

Gln 28

Molecular Mass

The recombinant human CD31/Fc is a disulfide-linked homodimer. The reduced monomer consists of 812 amino acids and predicts a molecular mass of 91.2 kDa. As a result of glycosylation, the rhCD31/Fc monomer migrates as approximately 130-140 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

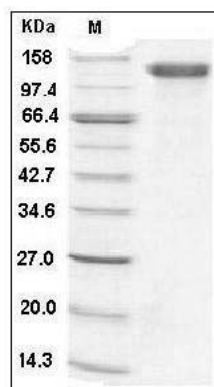
Storage

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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