# **Human Junctional Adhesion Molecule A (Fc Tag)** recombinant protein

Catalog Number: 503809



#### **General Information**

#### Gene Name Synonym

F11 receptor protein; F11 receptor, isoform CRA\_c; F11R protein; JAM1; cDNA FLJ90671 fis, clone PLACE1005544, highly similar to Junctional adhesion molecule 1

#### **Protein Construction**

A DNA sequence encoding the extracellular domain (Met 1-Ala 242) of human JAM-A (NP\_058642.1) precursor 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 the ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells.

When 8 x 104 cells/well are added to JAM-A-Fc coated plates (2.5 $\mu$ g/mL, 100  $\mu$ L/well)in the presence of 20 ng/mL PMA, approximately 30-40% will adhere after 30 minutes at 37°C.

#### **Purity**

> 95 % as determined by SDS-PAGE

## Endotoxin

 $< 1.0 \; EU \; per \; \mu g$  of the protein as determined by the LAL method

#### **Stability**

Samples are stable for up to twelve months from date of receipt at -70 $^{\circ}$ C

#### **Predicted N terminal**

Ser 28

#### Molecular Mass

The mature recombinant human JAM-A/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer comprises 453 amino acids and has a calculated molecular mass of 50 kDa. As a result of glycosylation, the rh JAM-A/Fc monomer migrates as an approximately 61 kDa protein 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

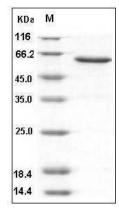
Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**

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Human JAM-A / F11R Protein (Fc Tag) SDS-PAGE