



Recombinant Protein Technical Manual
Recombinant Mouse JAM-A/F11R Protein (Fc Tag)
RPES2017

Product Data:

Product SKU: RPES2017

Size: 50µg

Species: Mouse

Expression host: HEK293 Cells

Uniprot: NP_766235.1

Protein Information:

Molecular Mass: 50.2 kDa

AP Molecular Mass: 57 kDa

Tag: C-Fc

Bio-activity:

Purity: > 94 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: 9130004G24;AA638916;ESTM33;JAM;JAM;JAM-A;Jcam;Jcam1;Ly106

Immunogen Information:

Sequence: Met 1-Ala 242

Background:

Junctional adhesion molecule-A (JAM-A), also known as F11 receptor (F11R) or Cluster of Differentiation 321 (CD321), is a transmembrane protein expressed at tight junctions of epithelial and endothelial cells, as well as on circulating leukocytes. JAM-A protein serves as a serotype-independent receptor for mammalian orthoreoviruses (reoviruses). It is also a ligand for the integrin LFA1, involves in leukocyte transmigration. As a cell adhesion molecule of the immunoglobulin superfamily, JAM-A protein involves in platelet adhesion, secretion and aggregation, and plays a crucial role in inflammatory thrombosis and atherosclerosis. In addition, it may be a potential therapeutic target for breast cancer.