



Recombinant Protein Technical Manual
Recombinant Human JAM-A/F11R Protein (His Tag)
RPES1283

Product Data:

Product SKU: RPES1283

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9Y624

Protein Information:

Molecular Mass: 23.89 kDa

AP Molecular Mass: 28-31 kDa

Tag: C-His

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

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

Storage: Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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 a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 100mM Glycine, pH 7.5.

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

Application:

Synonyms: Junctional Adhesion Molecule A; JAM-A; Junctional Adhesion Molecule 1; JAM; Platelet F11 Receptor; Platelet Adhesion Molecule 1; PAM; CD321; F11R; JAM1; JCAM; JAMA; JCAM; KAT

Immunogen Information:

Sequence: Ser28-Val238

Background:

Junctional Adhesion Molecule A (JAM-A) is a single-pass type I membrane protein that belongs to the immunoglobulin superfamily. JAM-A contains 2 Ig-like V-type (immunoglobulin-like) domains and interacts with the ninth PDZ domain. JAM-A is localized to the tight junctions of both epithelial and endothelial cells. JAM-A seems to be involved in epithelial tight junction formation. JAM-A appears early in primordial forms of cell junctions and recruits PARD3. The association of the PARD6-PARD3 complex may prevent the interaction of PARD3 with JAM-A, thereby preventing tight junction assembly. JAM-A plays a role in regulating monocyte transmigration involved in regulating integrity of the epithelial barrier. In the case of orthoreovirus infection, JAM-A serves as receptor for the virus.