



Recombinant Protein Technical Manual
Recombinant Human JAM-B/CD322 Protein (His Tag)
RPES2749

Product Data:

Product SKU: RPES2749

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P57087

Protein Information:

Molecular Mass: 24.3 kDa

AP Molecular Mass: 37 kDa

Tag: C-6His

Bio-activity:

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

Endotoxin: < 1.0 EU per µg 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 a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2.

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

Application:

Synonyms: Junctional Adhesion Molecule B; JAM-B; Junctional Adhesion Molecule 2; JAM-2; Vascular Endothelial Junction-Associated Molecule; VE-JAM; CD322; JAM2; C21orf43; VEJAM

Immunogen Information:

Sequence: Phe29-Asn236

Background:

Junctional Adhesion Molecule B (JAM-B) is a single-pass type I membrane protein that belongs to the junctional adhesion molecules family. JAM-B includes a signal sequence (aa 1-28), an extracellular region (aa 29-238) with one Ig-like C2-type domain and one Ig-like V-type domain, a transmembrane segment (aa 239-259), and a cytoplasmic domain (aa 260 - 298). JAMB is localized to the tight junctions between endothelial cells or epithelial cells. JAM-B is prominently expressed in the heart, placenta, lung, foreskin and lymph node. It is also present on the endothelia of other vessels. JAM-B acts as an adhesive ligand for interacting with a variety of immune cell types and may play a role in lymphocyte homing to secondary lymphoid organs.