Active Recombinant Mouse Junction Adhesion Molecule 3, Fc-tagged

Cat. No. Jam3-5667M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RecombinantMouse Jam3 protein was expressed in Murinemyeloma cell line with the Fc part of Human IgG1 Pro100-Lys330(C-terminus) and Mouse Jam3 Val32-Asn241(N-terminus).
Species	Mouse
Source	Mammalian Cells
ProteinLength	32-241 a.a.
Description	Thefamily of junctional adhesion molecules (JAM), comprised of at least threemembers, are type I transmembrane receptors belonging to the immunoglobulin(Ig) superfamily. These proteins are localized in the tight junctions betweenendothelial cells or epithelial cells. Some family members are also found onblood leukocytes and platelets. Mouse Jam3cDNA predicts a 310 amino acid (aa) residue precursor protein with a putative31aa signal peptide, a 210 aa extracellular region containing two Ig domains,an 18 aa transmembrane domain and a 51 aa cytoplasmic domain containing a PDZ-bindingmotif and a PKC phosphorylation site.
Form	Lyophilizedfrom a 0.2 μm filtered solution in Tris-Citrate and NaCl.
N-terminalSequence	Val32
MolecularWeight	50 kDa (monomer)

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Activity	Measuredby its ability to inhibit the adhesion of J45.01 human acute T lymphoblasticleukemia cells on immobilized JAM-2 (VE-JAM)/Fc Chimera. The ED50 for thiseffect is typically 0.1-0.5 µg/mL in the presence of 1x105 cells/well.Each well was coated with 100 µL of a 0.2 µg/mL solution of rhJAM-2(VE-JAM)/Fc Chimera.
Endotoxin Level	<1.0EU per 1µg of the protein by the LAL method.
SDS-PAGE	64 kDa,reducing conditions.
Purity	>95%,by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	100 µg/mLin sterile PBS
Storage	Use amanual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to-70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Jam3 junction adhesion molecule3 [Mus musculus]
Official Symbol	Jam3
Synonyms	Jam3; junction adhesionmolecule 3; JAM-2; junction cell adhesion molecule 3; junction cell adhesionmolecule C; junctional adhesion molecule 3; junctional adhesion molecule C;1110002N23Rik, C85515, JAM-3, JAM-C
Gene ID	83964
mRNA Refseq	NM_023277

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_075766
UniProt ID	Q9D8B7
Chromosome Location	9
Pathway	Cell adhesionmolecules (CAMs); Cell surface interactions at the vascular wall; Hemostasis;Integrin cell surface interactions; Leukocyte transendothelial migration; SignalTransduction; Tight junction
Function	integrin binding; proteinbinding; protein heterodimerization activity

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA