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

Catalog No. PKSM040670

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Synonyms	9130004G24;AA638916;ESTM33;JAM;JAM-1;JAM-A;Jcam;Jcam1;Ly106
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Met 1-Ala 242
Accession	NP_766235.1
Calculated Molecular Weight	50.2 kDa
Observed molecular weight	57 kDa
Tag	C-hFc
Bioactivity	Not validated for activity
Properties	
Purity	> 94 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method.
Storage	Generally, 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 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data

KDa	MK	R
116	-	
66.2	-	-
45.0	-	
35.0	-	-
25.0	-	
18.4	-	
14.4	-	

> 94 % as determined by reducing SDS-PAGE.

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

For Research Use Only

Toll-free: 1-888-852-8623 Web: <u>www.elabscience.com</u> Tel: 1-832-243-6086 Email: <u>techsupport@elabscience.com</u>

Elabscience®

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.