

Datasheet for ABIN7275080

F11R Protein (AA 28-238) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	F11R
Protein Characteristics:	AA 28-238
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This F11R protein is labelled with His tag.

Product Details

Purpose:	Human JAM-A Protein
Sequence:	Ser28-Val238.
Characteristics:	Recombinant Human JAM-A Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ser28-Val238.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human JAM-A, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-JAM-A Antibody, hFc Tag with the EC50 of 8.8ng/ml determined by ELISA. See testing image for detail.

Target Details

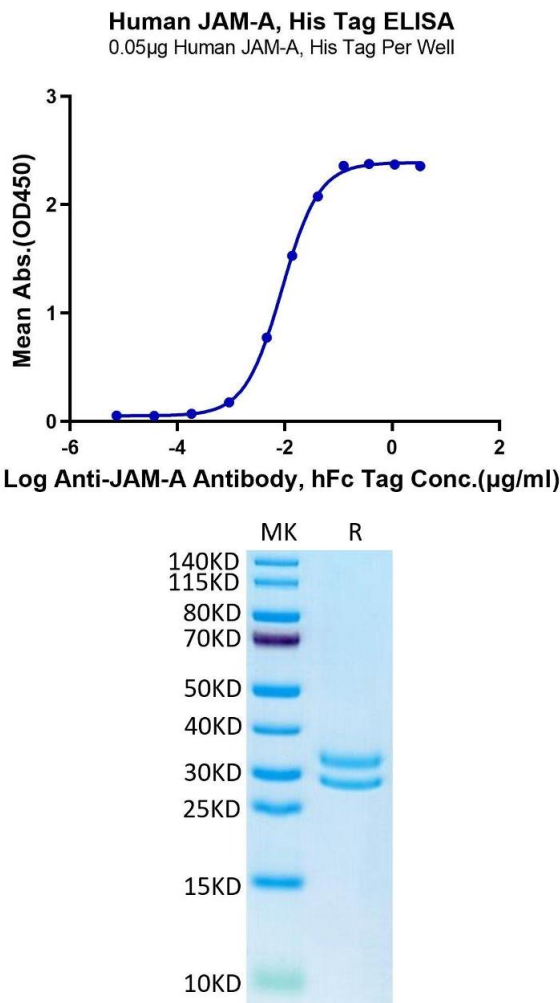
Target:	F11R
Alternative Name:	JAM-A (F11R Products)
Background:	Junctional adhesion molecule A (JAM-A), a cell adhesion molecule, is highly elevated in human GBM cancer stem cells and predicts poor patient prognosis. While JAM-A is also highly expressed in other cells in the tumor microenvironment, specifically microglia and macrophages, JAM-A functions to suppress pathogenic microglial activation in the female tumor microenvironment, highlighting an emerging role for sex differences in the GBM microenvironment and suggesting that sex differences extend beyond previously reported tumor cell-intrinsic differences.
Molecular Weight:	24 kDa. Due to glycosylation, the protein migrates to 28-35 kDa based on Tris-Bis PAGE result.
Pathways:	Cell-Cell Junction Organization

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



ELISA

Image 1. Immobilized Human JAM-A, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-JAM-A Antibody, hFc Tag with the EC50 of 8.8 ng/mL determined by ELISA.

SDS-PAGE

Image 2. Human JAM-A on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .