

Datasheet for ABIN7321100

JAM2 Protein (His tag)**1** Image[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	JAM2
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This JAM2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Rat JAM-B/CD322 Protein (His Tag)(Active)
Sequence:	Met1-Asn236
Characteristics:	A DNA sequence encoding the rat JAM2 (Q3MHC0) (Met1-Asn236) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells. When cells (8 x 10 ⁴ cells/well) are added to rat JAM2-His coated plates (5 µg/mL, 100 µL/well), >30% will adhere after 60 minutes at 37°C.

Target Details

Target:	JAM2
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Target Details

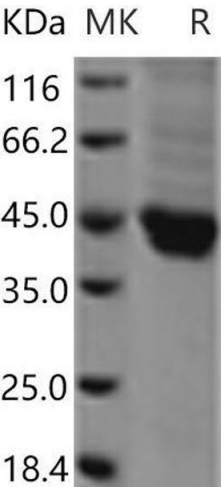
Alternative Name:	JAM-B/CD322 (JAM2 Products)
Background:	<p>Background: Junctional adhesion molecule B (JAM-B), also known as Junctional adhesion molecule 2 (JAM2), Vascular endothelial junction-associated molecule (VE-JAM), and CD322, is a single-pass type I membrane protein which belongs to the immunoglobulin superfamily. It is prominently expressed on high endothelial venules. expression to be restricted to the high endothelial venule of tonsil and lymph nodes. The localization to the endothelium of arterioles in and around inflammatory and tumor foci. JAM-B can function as an adhesive ligand for the T cell line J45 and can interact with GM-CSF/IL-4-derived peripheral blood dendritic cells, circulating CD56(+) NK cells, circulating CD56(+)CD3(+) NK/T cells, and circulating CD56(+)CD3(+)CD8(+) cytolytic T cells. JAM-2 is expressed on high endothelial venules (HEVs) in human tonsil and on a subset of human leukocytes, suggesting that JAM-2 plays a central role in the regulation of transendothelial migration. It binds to very late activation antigen (VLA)-4, a leucocyte integrin that contributes to rolling and firm adhesion of lymphocytes to endothelial cells through binding to vascular cell adhesion molecule (VCAM)-1. JAM-B appears to contribute to leucocyte extravasation by facilitating not only transmigration but also rolling and adhesion. 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.</p> <p>Synonym: JAM2,JAM-2</p>
Molecular Weight:	24.7 kDa
UniProt:	Q3MHC0

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>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.</p>



Western Blotting

Image 1.