Product information

JAM2, 29-238aa

Human, hIgG-His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3758

Full name: Junctional adhesion molecule B isoform 1 **NCBI Accession No**.: NP_067042

Synonyms: JAM2, C21orf43, CD322, JAM-B, JAMB, PRO245, VE-JAM, VEJAM

Description: JAM2, also known as junctional adhesion molecule B isoform 1, is a type 1 transmembrane receptor belonging to the immunoglobulin superfamily. This protein is expressed prominently on high endothelial venules of lymphoid organs where it is localized to the intercellular boundaries of high endothelial cells. It can function as an adhesive ligand for the T cell line J45 and can interact with GM-CSF/IL-4-delived peripheral blood dendritic cells. Also, it plays a 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. Recombinant human JAM2, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 50% glycerol, 1mM DTT

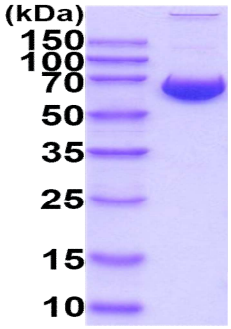
Molecular Weight: 50.7kDa (452aa)
50-70kDa (SDS-PAGE under reducing conditions.)

Predicted N terminal: Ala

Purity: > 90% by SDS - PAGE.

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1μg of protein (determined by LAL method)



15% SDS-PAGE (3ug)

Sequences of amino acids:

ADPFSAPKDQ QVVTAVEYQE AILACKTPKK TVSSRLEWKK LGRSVSFVYY QQTLQGDFKN RAEMIDFNIR IKNVTRSDAG KYRCEVSAPS EQGQNLEEDT VTLEVLVAPA VPSCEVPSSA LSGTVVELRC QDKEGNPAPE YTWFKDGIRL LENPRLGSQS TNSSYTMNTK TGTLQFNTVS KLDTGEYSCE ARNSVGYRRC PGKRMQVDDL NISLEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTPPVLDSD GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Product information

General references:

Palmeri D., *et al*, (2000) *J. Biol. Chem*. 275:19139-19145.

Cunningham SA., *et al,* (2000) *J. Biol. Chem*. 275:34750-34756.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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