

Recombinant Human JAM2, Fc-tagged

Cat. No. JAM2-174H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human JAM2 /CD322 Protein, With C-Fc Tag (rh JAM2 / CD322 Fc Chimera) Phe 29 - Asn 236 (Accession # AAH17779) was produced in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	29-236 a.a.
Description	Junctional adhesion molecule B (JAM-B) is also known as Junctional adhesion molecule 2 (JAM-2), Vascular endothelial junction-associated molecule (VE-JAM), CD antigen CD322, which belongs to the immunoglobulin superfamily. JAM-B contains one Ig-like C2-type (immunoglobulin-like) domain and one Ig-like V-type (immunoglobulin-like) domain. JAM-B is highest expression in the heart, placenta, lung, foreskin and lymph node. JAM-B may play a role in the processes of lymphocyte homing to secondary lymphoid organs.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM tris, 100 mM glycine, pH7.5. Normally Mannitol or Trehalose are added as protectants before lyophilization.
Molecular Mass	rh JAM2 / CD322 Fc Chimera is fused with human IgG1 Fc tag at the C-terminus, and has a calculated MW of 50 kDa. The predicted N-terminus is Phe 29. DTT-reduced Protein migrates as 60-68 kDa in SDS-PAGE due to glycosylation.

 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

Endotoxin	Less than 1.0 EU per µg of the rh JAM2 / CD322 Fc Chimera by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Avoid repeated freeze-thaw cycles.No activity loss was observed after storage at:In lyophilized state for 1 year (4oC); After reconstitution under sterile conditions for 3 months (-70oC).
Reconstitution	See Certificate of Analysis for reconstitution instructions and specific concentrations.

GENE INFORMATION

Gene Name	JAM2 junctional adhesion molecule 2 [Homo sapiens]
Official Symbol	JAM2
Synonyms	JAM2; junctional adhesion molecule 2; C21orf43; junctional adhesion molecule B; CD322; JAM B; JAMB; VE JAM; JAM-2; JAM-IT/VE-JAM; vascular endothelial junction-associated molecule; JAM-B; VEJAM; PRO245; VE-JAM;
Gene ID	58494
mRNA Refseq	NM_021219
Protein Refseq	NP_067042
MIM	606870
UniProt ID	P57087
Chromosome	21q21.2

 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

Location	
Pathway	Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell surface interactions at the vascular wall, organism-specific biosystem; Epithelial cell signaling in Helicobacter pylori infection, organism-specific biosystem; Epithelial cell signaling in Helicobacter pylori infection, conserved biosystem; Hemostasis, organism-specific biosystem; Integrin cell surface interactions, organism-specific biosystem;
Function	protein binding; 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