

## 32-7891: Recombinant Human Junctional Adhesion Molecule B/JAM-B/CD322 (C-Fc)

**Gene :** JAM2  
**Gene ID :** 58494  
**Uniprot ID :** P57087

### Description

Source: Human Cells.  
MW :50.3kD.

Recombinant Human JAM-B is produced by our Mammalian expression system and the target gene encoding Phe29-Asn236 is expressed with a Fc tag at the C-terminus. Junctional Adhesion Molecule B (JAM-B) is a single-pass type I membrane protein that belongs to the junctional adhesion molecules family. JAM-B includes a signal sequence (aa 1-28), an extracellular region (aa 29-238) with one Ig-like C2-type domain and one Ig-like V-type domain, a transmembrane segment (aa 239-259), and a cytoplasmic domain (aa 260 - 298). JAMB is localized to the tight junctions between endothelial cells or epithelial cells. JAM-B is prominently expressed in the heart, placenta, lung, foreskin and lymph node. It is also present on the endothelia of other vessels. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4 .  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** FSAPKDQQVVTAVEYQEAILACKTPKKTVSSRLEWKKLGRSVSFVYYQQLQGDFKNRAEMIDFNIRIKNVTRS  
DAGKYRCEVSAPSEQQNLEEDTVTLEVLVAPAVPSCEVPSSALSGTVVELRCQDKEGNPAPEYTWFKDGI  
ENPRLGSQSTNSSYTMNTKTGTLQFNTVSKLDTGEYSCEARNVSVGYRRCPGKRMQVDDLNVDDIEGRMDEPK  
SCDKTHTCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPR  
EEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLT  
CLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVDFCSVMHEALHNHYTQ  
KSLSLSPGK

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.