

**FITC CONJUGATED MONOCLONAL ANTIBODY TO
MOUSE JUNCTIONAL ADHESION MOLECULE-A (JAM-A)
clone BV12**



Catalog nr	HM1050F (lot number and expiry date are indicated on the label)
Description	The monoclonal antibody BV12 recognizes junctional adhesion molecule-A (JAM-A), also known as JAM-1 and the mouse platelet F11-Receptor (F11R), is a cell adhesion molecule (CAM). JAM-A is a member of the immunoglobulin superfamily found on the surface of mouse platelets and at intercellular junctions of endothelial cells and epithelial cells. JAM-A belongs together with JAM-B (VE-JAM or JAM-3) and JAM-C (JAM-2) to a family of adhesion proteins with a V-C2 immunoglobulin domain organization. JAM plays an important role in tight junctions where it is involved in cell-to-cell adhesion through homophilic interaction. It codistributes with other tight junction components as ZO-1, 7H6 antigen, cingulin and occludin. In human JAM-A plays a role in platelet aggregation, secretion, adhesion and spreading.
Aliases	JAM-1, F11R
Species	Rat IgG _{2a}
Formulation	1 ml (100 µg/ml) 0.2 µm filtered FITC conjugated antibody solution in PBS, containing 1% bovine serum albumin and 0.02% sodium azide.
Application	The FITC conjugated monoclonal antibody BV12 can be used for flow cytometry, Western blotting and immuno assays. The monoclonal antibody BV12 is also useful for immunofluorescence on fixed cells.
Use	For flow cytometry and Western blotting dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.
Storage and stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.
Precautions	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.
References	<ol style="list-style-type: none">1. Bazzoni, G et al; Interaction of junctional adhesion molecule with the tight junction components ZO-1, cingulin, and occludin. <i>J Biol Chem</i> 2000, 275: 205202. Martinez-Estrada, O et al; Opposite effects of tumor necrosis factor and soluble fibronectin on junctional adhesion molecule-A in endothelial cells. <i>Am J Physiol Lung Cell Mol Physiol</i> 2005, 288: L1081
Also available	HM1050 Monoclonal antibody against Mouse JAM-A (JAM-1), clone BV12 HM1056 Monoclonal antibody against Mouse JAM-C (JAM-2), clone CRAM-19 H36 HM1057 Monoclonal antibody against Mouse JAM-C (JAM-2), clone CRAM-18 F26 HM1052 Monoclonal antibody against Mouse Nectin-2, clone 502-57 HM1053 Monoclonal antibody against Mouse Nectin-3, clone 103-A1