

## Product datasheet for **AM05553FC-N**

### CD321 / JAM1 Rat Monoclonal Antibody [Clone ID: BV12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	BV12
Applications:	ELISA, FC, IF, WB
Recommended Dilution:	Flow cytometry: The typical starting working dilution is 1:50. Immunoassays. Immunofluorescence on fixed cells. Western blot: The typical starting working dilution is 1:50.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	This antibody recognizes junctional adhesion molecule-A (JAM-A), also known as JAM-1 and the mouse platelet F11-Receptor (F11R).
Formulation:	PBS Label: FITC State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 1% bovine serum albumin Preservative: 0.02% sodium azide
Concentration:	lot specific
Purification:	Protein G
Conjugation:	FITC
Storage:	Store at 2 - 8 °C.
Stability:	Shelf life: one year from despatch.
Gene Name:	F11 receptor
Database Link:	<a href="#">Entrez Gene 16456 Mouse O88792</a>



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**Background:**

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.

**Synonyms:**

JAM-A, Platelet F11 receptor, F11R, JCAM, PAM1