

**FITC CONJUGATED MONOCLONAL ANTIBODY TO  
MOUSE JUNCTIONAL ADHESION MOLECULE-C (JAM-C)  
clone CRAM-19 H36**



<b>Catalog nr</b>	HM1056F (lot number and expiry date are indicated on the label)
<b>Description</b>	Junctional adhesion molecule-C (JAM-C) also known as JAM-2 is a 45 kD cell adhesion molecule (CAM). JAM-C is a transmembrane protein which is a member of the immunoglobulin superfamily found at intercellular junctions of endothelial cells. JAM-C belongs together with JAM-A (JAM or JAM-1) and JAM-B (VE-JAM or JAM-3) 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. JAM-C is potentially involved in the junctional sealing of the vascular endothelium, in particular of high endothelial venules (HEV). In adult murine tissue JAM-C expression is reported to be restricted to high endothelial venules of lymphoid organs, lymphoendothelial cells and endothelial cells in kidney. Monoclonal antibody CRAM-19 H36 also reacts with human JAM-C. In humans, JAM-C expression is not restricted to endothelial cells, but is also expressed on human lymphocytes.
<b>Species</b>	Rat IgG <sub>2a</sub>
<b>Formulation</b>	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.
<b>Application</b>	The FITC conjugated monoclonal antibody CRAM-19 H36 can be used for immuno assays as detector antibody, immunohistology on frozen sections and flow cytometry. Antibody CRAM-19 H36 can not be used for Western blot and immunohistology on paraffin sections.
<b>Use</b>	For immunohistology and flow cytometry 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.
<b>Storage and stability</b>	Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.
<b>Precautions</b>	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.
<b>References</b>	<ol style="list-style-type: none"><li>1. Aurrand-Lions, M et al; JAM-2, a novel immunoglobulin superfamily molecule, expressed by endothelial and lymphatic cells. <i>J Biol Chem</i> 2001, <i>276</i>: 2733</li><li>2. Johnson-Leger, C et al; Junctional adhesion molecule-2 (JAM-2) promotes lymphocyte transendothelial migration. <i>Blood</i> 2002, <i>100</i>: 2479</li></ol>
<b>Also available</b>	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 HM1050            Monoclonal antibody against Mouse JAM-A (JAM-1), clone BV12 HM1052            Monoclonal antibody against Mouse Nectin-2, clone 502-57 HM1053            Monoclonal antibody against Mouse Nectin-3, clone 103-A1