

Mouse anti-JAM-C, clone CRAM-18 F26

Clone no. CRAM-18 F26

MONOSAN

Product name	Mouse anti-JAM-C, clone CRAM-18 F26
Host	Mouse
Applications	IHC-fr,FC,FUNC,ELISA,IP
Species reactivity	human, mouse
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG2a
Clonality	Monoclonal
Clone number	CRAM-18 F26
Size	1 ml
Concentration	100 ug/ ml
Format	-
Storage buffer	PBS with 0.1% BSA and 0.02% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

The monoclonal antibody CRAM-18 F26 recognizes junctional adhesion molecule-C (JAM-C) also known as JAM-2, 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-18 F26 also reacts with human JAM-C. In humans, JAM-C expression is not restricted to endothelial cells, but is also expressed on human lymphocytes.

References

1. Aurrand-Lions; M et al. J Biol Chem 2001; 276: 2733
2. Aurrand-Lions, M et al Blood 2001, 98: 3699
3. Johnson-Leger; C et al. Blood 2002; 100: 2479
4. -
5. -

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