CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	JAM-C, Mouse, clone CRAM-18 F26		
Catalog number	HM1057-20UG		
Lot number	-	**Expiry date**	-
Volume	200 µl	**Amount**	20 µg
Formulation	0.2 µm filtered in PBS+0.1%BSA	**Concentration**	100 µg/ml
Host Species	Rat IgG2a	**Conjugate**	None
Endotoxin	<24 EU/mg	**Purification**	Protein G
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes	●			●	●	●	●	
No		●						●
N.D.			●					

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

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.

- IA: Antibody CRAM-18 F26 can be used as a detection antibody.
- FS: For inhibition of biological activity, dilutions have to be made according to the amounts of JAM-C to be inhibited.

General Information

Description

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.

Aliases

Junctional Adhesion Molecule-C

References

1. Aurrand-Lions, M et al; JAM-2, a novel immunoglobulin superfamily molecule, expressed by endothelial and lymphatic cells. J Biol Chem 2001, *276*: 2733
2. Aurrand-Lions, M et al; Heterogeneity of endothelial junctions is reflected by differential expression and specific subcellular localization of the three JAM family members. Blood 2001, *98*: 3699
3. Johnson-Leger, C et al; Junctional adhesion molecule-2 (JAM-2) promotes lymphocyte transendothelial migration. Blood 2002, *100*: 2479

Storage&stability

Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least 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.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC	Date
Brenda Teunissen	28/10/2020

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.