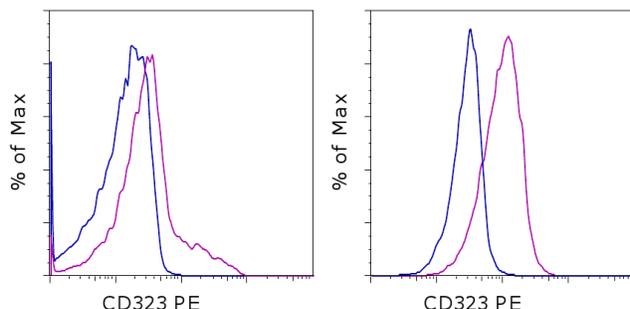


## Anti-Human CD323 (JAM3) PE

**Catalog Number:** 12-3239

**Also known as:** JAM-C

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



Normal human peripheral blood cells were unstimulated (left) or stimulated with PMA and ionomycin for 2 days (right) and then stained with Mouse IgG2a K Isotype Control PE (cat. 12-4724) (blue histogram) or Anti-Human CD323 (JAM3) PE (purple histogram). Total viable cells were used for analysis.

### Product Information



**Contents:** Anti-Human CD323 (JAM3) PE

**Catalog Number:** 12-3239

**Clone:** SHM33

**Concentration:** 5  $\mu$ L (0.25  $\mu$ g)/test

**Host/Isotype:** Mouse IgG2a, k



**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light-sensitive material.



**Batch Code:** Refer to vial



**Use By:** Refer to vial

### Description

The SHM33 monoclonal antibody reacts with human CD323, which is also known as Junctional Adhesion Molecule (JAM) 3. A member of the Ig superfamily of transmembrane proteins, CD323 is expressed on endothelial and epithelial cells, smooth muscle cells, peripheral nerves, platelets, and some B cells. In addition, this receptor is expressed on VEGF and histamine-stimulated endothelial cells, as well as on activated T cells. CD323 is involved in neutrophil transmigration during inflammation, angiogenesis, cell polarity, and nerve conduction. CD323 interacts homo- and heterotypically with beta2 and beta3 integrins, JAM2, and the viral receptor CAR.

### Applications Reported

This SHM33 antibody has been reported for use in flow cytometric analysis.

### Applications Tested

This SHM33 antibody has been pre-titrated and tested by flow cytometric analysis of stimulated normal human peripheral blood cells. This can be used at 5  $\mu$ L (0.25  $\mu$ g) per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test.

### References

Immenschuh S, Naidu S, Chavakis T, Beschmann H, Ludwig RJ, Santoso S. Transcriptional induction of junctional adhesion molecule-C gene expression in activated T cells. *J Leukoc Biol.* 2009 May;85(5):796-803.

Praetor A, McBride JM, Chiu H, Rangell L, Cabote L, Lee WP, Cupp J, Danilenko DM, Fong S. Genetic deletion of JAM-C reveals a role in myeloid progenitor generation. *Blood.* 2009 Feb 26;113(9):1919-28.

Mandicourt G, Iden S, Ebnet K, Aurrand-Lions M, Imhof BA. JAM-C regulates tight junctions and integrin-mediated cell adhesion and migration. *J Biol Chem.* 2007 Jan 19;282(3):1830-7.

Aurrand-Lions M, Lamagna C, Dangerfield JP, Wang S, Herrera P, Nourshargh S, Imhof BA. Junctional adhesion

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## Anti-Human CD323 (JAM3) PE

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molecule-C regulates the early influx of leukocytes into tissues during inflammation. J Immunol. 2005 May 15;174(10):6406-15.

### **Related Products**

12-4724 Mouse IgG2a K Isotype Control PE

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