

Purified anti-human CD323 (JAM3)

Catalog # / Size: 2383505 / 25 µg
2383510 / 100 µg

Clone: SHM33

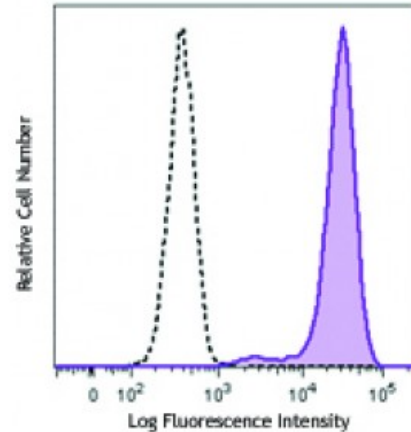
Isotype: Mouse IgG2a, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5



Human melanoma cell line, A375, was stained with purified CD323 (clone SHM33, filled histogram) or mouse IgG2a, κ isotype control (open histogram), followed by anti-mouse IgG PE.

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤1.0 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Description: CD323, also known as JAM3 and JAM-C, is a member of the junctional adhesion molecule family and plays a role in leukocyte migration. It is a type I transmembrane protein and is involved in cell-cell adhesion by forming homotypic or heterotypic molecules with JAM family members or integrins. CD323 is expressed in intestinal epithelial cells and is a component of epithelial desmosomes, endothelial cells, and platelets. It is expressed at low levels on T cells and is upregulated upon activation. Due to their presence in tight junction and lateral membranes, JAMs are candidate receptors for leukocytes to use when they migrate. Thrombin induces localization of JAM3 in the tight junctions, whereas angiopoietin-1 prevents JAM3 localization.