SONY

Product Data Sheet

PE/Cyanine7 anti-human CD319 (CRACC)

Catalog # / Size: 2259075 / 25 tests
2259080 / 100 tests

Clone: 162.1

Isotype: Mouse IgG2b, κ

Immunogen: CRACC-Human IgG1 fusion protein

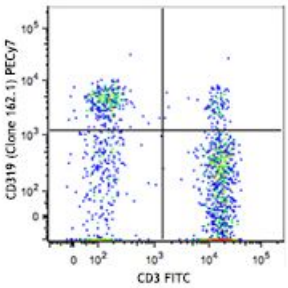
Reactivity: Human, Non-human primate

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cy7 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Workshop Number: VII 70655

Concentration: Lot-specific

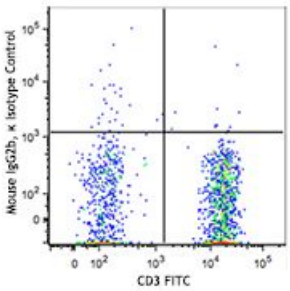


Human peripheral blood lymphocytes were stained with CD3 FITC and CD319 (clone 162.1) PE/Cy7 (top) or mouse IgG2b, κPE/Cy7 isotype control (bottom).

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 5 µl per million cells or 5 µl per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.



Application References:

1. Bouchon A, *et al.* 2001. *J. Immunol.* 167:551721.
2. Tassi I and Colonna M. 2005. *J. Immunol.* 175:79968002.
3. Veillette A. 2006. *Immunol.* Rev. 214:2234.

Description: CD319 is a single-pass type I transmembrane glycoprotein, expressed on NK cells, subsets of mature dendritic cells, activated B cells, and cytotoxic lymphocytes, but not in promyelocytic, B or T cell lines. Expression is highest in the spleen, lymph nodes, and peripheral blood leukocytes, and lowest in bone marrow. Additionally, it is expressed in the small intestine, stomach, appendix, lung, and trachea. CD319 is tyrosine phosphorylated in activated NK cells and is associated with 19 and 39 kD proteins. CD319 has homology with the CD2 family of receptors within the Ig superfamily. Some of the CD2 members stimulate cytotoxicity through the CD319 associated protein.

Antigen References:

1. Bouchon A, *et al.* 2001. *J. Immunol.* 167:551721.
2. Tassi I and Colonna M. 2005. *J. Immunol.* 175:79968002.
3. Veillette A. 2006. *Immunol.* Rev. 214:2234.

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