

PerCP/Cyanine5.5 anti-human CD123

Catalog # / 2583570 / 100 tests
Size: 2583565 / 25 tests

Clone: S18016F

Isotype: Mouse IgG1, κ

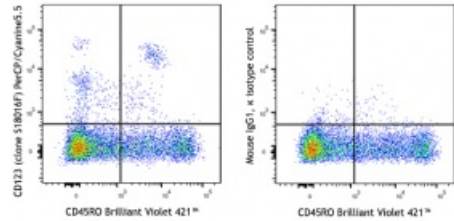
Immunogen: Hu CD123 transfectants

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PerCP/Cyanine5.5 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA)

Concentration: Lot-specific



Human peripheral blood lymphocytes were stained with anti-human CD45RO Brilliant Violet 421™ and anti-human CD123 (clone S18016F) PerCP/Cyanine5.5 (left) or mouse IgG1, κ PerCP/Cyanine5.5 isotype control (right).

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 in 100 μL staining volume or 5 μL per 100 μL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* PerCP/Cyanine5.5 has a maximum absorption of 482 nm and a maximum emission of 690 nm.

Application Notes: Additional reported applications for the relevant formats include: immunoprecipitation of TLR5 from cell lysates^{1,2}.

Application References: 1. Shibata T, *et al. Int Immunol.* 24:613. (IP, FC)
 2. Huh JW, *et al. 2014. Proc. Natl. Acad. Sci. USA.* 111:7072. (IP)

Description: CD123 is the 70 kD transmembrane α chain of the IL-3 receptor. Alone, CD123 binds IL-3 with low affinity; when CD123 associates with CDw131 (common β chain), it binds IL-3 with high affinity. CD123 does not transduce intracellular signals upon binding IL-3 and requires the β chain for this function. CD123 is expressed by myeloid precursors, macrophages, dendritic cells, mast cells, basophils, megakaryocytes, and some B cells.

Antigen References: 1. Miyajima A, *et al. 1993. Blood* 82:1960.