SONY

Product Data Sheet

PE/Dazzle™ 594 anti-human CD123

Catalog # / Size: 2583535 / 25 tests
2583540 / 100 tests

Clone: S18016F

Isotype: Mouse IgG1, κ

Immunogen: Hu CD123 transfectants

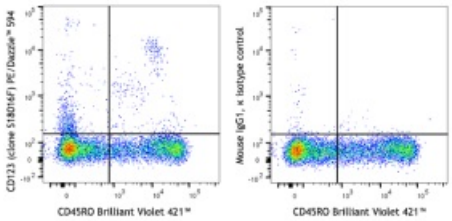
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions.

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

Workshop Number: IV 103

Concentration: Lot-specific



Human peripheral blood lymphocytes stained with anti-human CD45RO Brilliant Violet 421™ and anti-human CD123 PE/Dazzle™ 594 (clone S18016F) (right) or mouse IgG1, κ PE/Dazzle™ 594 isotype control (left).

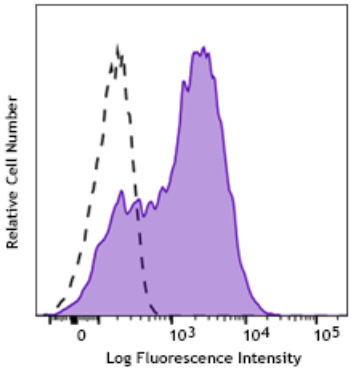
Applications:

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.

* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.

Application Notes: S16013D clone can be used for both surface and intracellular detection of TLR9. ICFC compatible with both the intracellular flow cytometric staining and True-Nuclear™ transcription buffer set. Does not work for WB (tested on Daudi cell line).



Peripheral blood mononuclear cells were stimulated with PHA for 3 days and stained with anti-human CD279 (PD-1) (clone A17188A) PE (filled histogram) or mouse IgG2b, κ PE isotype control (open histogram).

Application References:

1. Schreeder DM, *et al.* 2008. *Eur. J. Immunol*. 38:3159. (FC)

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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.

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