SONY

Product Data Sheet

KIRAVIA Blue 520™ anti-human CD123

Catalog # / Size: 2583545 / 25 tests
2583550 / 100 tests

Clone: S18016F

Isotype: Mouse IgG1, κ

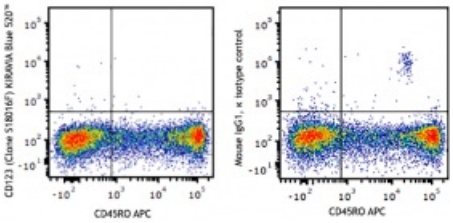
Immunogen: Hu CD123 transfectants

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with KIRAVIA Blue 520™ 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 APC and anti-human CD123 KIRAVIA Blue 520™ (clone S18016F) (right) or mouse IgG1, κ KIRAVIA Blue 520™ 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.

* KIRAVIA Blue 520™ has an excitation maximum of 495 nm, and a maximum emission of 520 nm.

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.