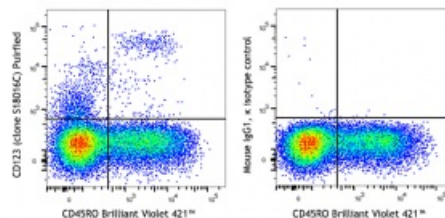


## Purified anti-human CD123

<b>Catalog # / Size:</b>	2583010 / 100 µg
<b>Clone:</b>	S18016C
<b>Isotype:</b>	Mouse IgG1, κ
<b>Immunogen:</b>	Hu CD123 transfectants
<b>Reactivity:</b>	Human
<b>Preparation:</b>	The antibody was purified by affinity chromatography.
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Concentration:</b>	0.5 mg/mL



Human peripheral blood lymphocytes stained with purified CD123 (clone S18016C) (left) or purified mouse IgG1, κ isotype control (right), followed by anti-mouse IgG1 PE and CD45RO Brilliant Violet 421™.

## Applications:

<b>Applications:</b>	Flow Cytometry
<b>Recommended Usage:</b>	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 ≤ 0.25 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.

**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.