

## Anti-Human CD123 PE

Catalog Number :15311-60

RUO: For Research Use Only. Not for use in diagnostic procedures.

### Product Information

**Clone:** 6H6

**Format/Conjugate:** PE

**Concentration:** 5 uL (0.25 ug)/test

**Reactivity:** Human

**Laser:** Blue (488nm), Yellow/Green (532-561nm)

**Peak Emission:** 578nm

**Peak Excitation:** 496nm

**Filter:** 585/40

**Brightness (1=dim,5=brightest):** 5

**Isotype:** Mouse IgG1, kappa

**Formulation:** Phosphate-buffered aqueous solution, ≤0.09% Sodium azide, may contain carrier protein/stabilizer, pH7.2.

**Storage:** Product should be kept at 2-8°C and protected from prolonged exposure to light.

**Applications:** FC

### Description

The 6H6 monoclonal antibody specifically reacts with human CD123, the alpha chain subunit of the IL-3 receptor. CD123's affinity to IL-3 is low, but increases when associated with CD131. It can be found on basophils, dendritic cells, macrophages, and mast cells.

### Preparation & Storage

The product should be stored undiluted at 4°C and should be protected from prolonged exposure to light. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography and unreacted dye was removed from the product.

### Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. The antibody can be used at less than or equal to 5 µL per test. A test is the amount of antibody required to stain a cell sample in the final volume of 100 µL.

### References

1. Herling, M., Teitell, M. A., Shen, R. R., Medeiros, L. J., Jones, D. (2003). TCL1 expression in plasmacytoid dendritic cells (DC2s) and the related CD4+ CD56+ blastic tumors of skin.; Blood.;101(12), 5007-5009.
2. Peduzzi, E., Groeper, C., Schütte, D., Zajac, P., Rondini, S., Mensah-Quainoo, E., ... Daubenberger, C. A. (2007). Local activation of the innate immune system in Buruli ulcer lesions.; Journal of Investigative Dermatology.;127(3), 638-645.
3. Sun, Q., Woodcock, J. M., Rapoport, A., Stomski, F. C., Korpelainen, E. I., Bagley, C. J., ... Lopez, A. F. (1996). Monoclonal antibody 7G3 recognizes the N-terminal domain of the human interleukin-3 (IL-3) receptor alpha-chain and functions as a specific IL-3 receptor antagonist.; Blood.;87(1), 83-92.