

Anti-Human CD123 FITC

Catalog Number :15311-50

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

Product Information

Clone: 6H6

Format/Conjugate: FITC

Concentration: 5 uL (0.25 ug)/test

Reactivity: Human

Laser: Blue (488nm)

Peak Emission: 520nm

Peak Excitation: 494nm

Filter: 530/30

Brightness (1=dim,5=brightest): 3

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.