

Anti-Human CD123 Biotin

Catalog Number :15311-30

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

Product Information

Clone: 6H6

Format/Conjugate: Biotin

Concentration: 0.5 mg/mL

Reactivity: Human

Laser: Not Applicable

Peak Emission: Not Applicable

Peak Excitation: Not Applicable

Filter: Not Applicable

Brightness (1=dim,5=brightest): Not Applicable

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.

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. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography.

Application Notes

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.

References

- 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.
- 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.
- 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.