

Anti-Mouse CD122 SAFIRE Purified

Catalog Number :14312-25

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

Product Information

Clone: TM-beta1

Format/Conjugate: SAFIRE Purified

Concentration: 1.0 mg/mL

Reactivity: Mouse

Laser: Not Applicable

Peak Emission: Not Applicable

Peak Excitation: Not Applicable

Filter: Not Applicable

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

Isotype: Rat IgG2b

Formulation: Phosphate-buffered aqueous solution, pH7.2.

Storage: Product should be kept at 2-8°C.

Applications: FC, FA

Description

The TM-beta1 monoclonal antibody specifically reacts with mouse CD122, a beta chain shared by the IL-2 and IL-15 receptors. It is expressed by B cells, T cells, and NK cells and can be used as a marker for NK-cell progenitors. CD122 forms complexes involved in immunoregulation and signal transduction. The TM-beta1 antibody is reported to block the binding of IL-2 and IL-15 to the IL-2 beta receptor.

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

1. Alleva, D. G., Kaser, S. B., Monroy, M. A., Fenton, M. J., Beller, D. I. (1997). IL-15 functions as a potent autocrine regulator of macrophage proinflammatory cytokine production: evidence for differential receptor subunit utilization associated with stimulation or inhibition.; *The Journal of Immunology*, 159(6), 2941-2951.
2. Suzuki, H., Kundig, T. M., Furlonger, C., Wakeham, A., Timms, E., Matsuyama, T., ... Griesser, H. (1995). Deregulated T cell activation and autoimmunity in mice lacking interleukin-2 receptor beta.; *Science*, 268(5216), 1472-1476.
3. Takeuchi, Y., Tanaka, T., Hamamura, K., Sugimoto, T., Miyasaka, M., Yagita, H., Okumura, K. (1992). Expression and role of interleukin-2 receptor β chain on CD4- CD8+ T cell receptor $\alpha\beta$ + cells.; *European journal of immunology*, 22(11), 2929-2935.