

Anti-Mouse IL-2 Biotin

Catalog Number :86412-30

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

Product Information

Clone: JES6-5H4

Format/Conjugate: Biotin

Concentration: 0.5 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, 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 JES6-5H4 antibody specifically binds to mouse IL-2, a 17 kDa immunoregulatory cytokine and growth factor for T and B lymphocytes, NK cells, monocytes, and macrophages. IL-2 induces the cytotoxic operations of NK cells, activates B cells, and plays a role in the differentiation of T cells.

JES6-5H4 seems to have a neutralizing effect on interleukin-2.

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. For flow cytometric staining, the suggested use of this reagent is ≤0.06 ug per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

References

1. Sander, B., Höidéén, I., Andersson, U., Möller, E., Abrams, J. S. (1993). Similar frequencies and kinetics of cytokine producing cells in murine peripheral blood and spleen: Cytokine detection by immunoassay and intracellular immunostaining. *Journal of immunological methods*,;166(2), 201-214.
2. Abrams, J. S., Roncarolo, M. G., Yssel, H., Andersson, U., Gleich, G. J., Silver, J. E. (1992). Strategies of anti-cytokine monoclonal antibody development: immunoassay of IL-10 and IL-5 in clinical samples.; *Immunological reviews*,;127(1), 5-24.
3. Abrams, J. S. (1995).; *Immunoassay of mouse and human cytokines using NIP-labeled anti-cytokine antibodies*; (pp. 6-20). John Wiley Sons, Inc..