

Anti-Human/Mouse ROR gamma (t) PE

Catalog Number :77711-60

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

Product Information

Clone: AFKJS-9

Format/Conjugate: PE

Concentration: 0.2 mg/mL

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: IgG2a

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 AFKJS-9 monoclonal antibody reacts with the mouse ROR gamma(t) and ROR gamma proteins, members of the retinoic acid-related orphan receptor family (ROR). These transcription factors are ligand-dependent and the ROR gamma(t) isoform is expressed exclusively in the Th17 cells of the lymphoid organs it differs from ROR gamma by three amino acids

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. Schmutz, S., Bosco, N., Chappaz, S., Boyman, O., Acha-Orbea, H., Ceredig, R., ... Finke, D. (2009). Cutting edge: IL-7 regulates the peripheral pool of adult RORγ+ lymphoid tissue inducer cells.; *The Journal of Immunology*, 183(4), 2217-2221.
2. Sun, Z., Unutmaz, D., Zou, Y. R., Sunshine, M. J., Pierani, A., Brenner-Morton, S., ... Littman, D. R. (2000). Requirement for RORγ in thymocyte survival and lymphoid organ development.; *Science*, 288(5475), 2369-2373.
3. He, Y. W., Deftos, M. L., Ojala, E. W., Bevan, M. J. (1998). RORγt, a novel isoform of an orphan receptor, negatively regulates Fas ligand expression and IL-2 production in T cells.; *Immunity*, 9(6), 797-806.