

Anti-Mouse IL-12/IL-23 p40 PE

Catalog Number :83312-60

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

Product Information

Clone: C17.8

Format/Conjugate: PE

Concentration: 0.2 mg/mL

Reactivity: Mouse

Laser: Blue (488nm), Yellow/Green (532-561nm)

Peak Emission: 578nm

Peak Excitation: 496nm

Filter: 585/40

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

Isotype: Rat IgG2a, 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 C17.8 antibody specifically reacts with the p40 subunit of IL-12, as free monomer, as a homodimer, or as a part of the p70 dimer. C17.8 seems to neutralize the activity of mouse IL-12 and IL-23. IL-12 is the p70 heterodimer of p35 and p40, expressed by the macrophages, dendritic cells, and monocytes. The C17.8 antibody cross-reacts with IL-23, since IL-23 also contains one p40 subunit.

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 ≤0.125 ug per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

References

1. Wysocka, M., Kubin, M., Vieira, L. Q., Ozmen, L., Garotta, G., Scott, P., Trinchieri, G. (1995). Interleukin-12 is required for interferon-γ production and lethality in lipopolysaccharide-induced shock in mice. *European journal of immunology*, 25(3), 672-676.
2. Cho, D., Lee, W. J., Halloran, P. J., Trinchieri, G., Kim, Y. B. (1996). Enhancement of porcine natural killer cell activity by recombinant human and murine IL-12. *Cellular immunology*, 172(1), 29-34.
3. D'Andrea, A., Rengaraju, M., Valiante, N. M., Chehimi, J., Kubin, M., Aste, M., ... Nickbarg, E. (1992). Production of natural killer cell stimulatory factor (interleukin 12) by peripheral blood mononuclear cells. *The Journal of experimental medicine*, 176(5), 1387-1398.