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Technical Data Sheet

Anti-Mouse IL-12/IL-23 p40 SAFIRE Purified

Catalog Number :83312-25

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

Product Information

Clone: C17.8

Format/Conjugate: SAFIRE Purified

Concentration: 2 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 IgG2a, kappa

Formulation: Phosphate-buffered aqueous solution, ph7.2.

Storage: Product should be kept at 2-8°C and protected from prolonged exposure to light.

Applications: FC, FA, IF, IP, WB, ELISA

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. Do not freeze. The monoclonal antibody was purified utilizing affinitychromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

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.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.

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