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Antibody to Mouse Interleukin-10
RAT MONOCLONAL

Catalog Number: AB-510
Quantity: 500 micrograms
Format: Lyophilized
Host: Rat
Isotype: IgM
Clone: NYRmIL-10
Immunogen: r.Murine IL-10

Background:

IL10 is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract.

Specificity and Preparation:

Rat anti-mouse interleukin-10 (IL-10) is purified by boric acid precipitation. Protein concentration is 1 mg/ml in PBS (after reconstitution).

Usage and Storage:

Reported to be effective for direct ELISA, western blot, immunoprecipitation, immunohistochemistry, intracellular staining. Titer: by direct ELISA, 1:5,000 dilution will yield 0.1 O.D using alkaline phosphatase conjugated rabbit anti-mouse Ig (Jackson Laboratories).

Reconstitute with sterile H₂O. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate. Store lyophilized material at 4°C in dry environment. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Material is stable for two years lyophilized, one month in solution at 4°C.

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