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**Antibody to Mouse Interleukin-12 p40**  
**RAT MONOCLONAL**

**Catalog Number:** PRP-114ANT  
**Quantity:** 500 micrograms, 1 milligram  
**Format:** Lyophilized  
**Host:** Rat  
**Isotype:** IgG2a  
**Clone:** NYRmIL-12p40  
**Immunogen:** r.Murine IL-12 p40

**Background:**

Active interleukin-12 (IL-12) is a p70 disulphide-linked dimer composed of p35 and p40 subunits. The protein is a pleiotropic cytokine produced primarily by antigen presenting cells and has multiple effects on T lymphocytes and natural killer cells in terms of stimulating cytotoxicity, proliferation, production of other cytokines and Th1 subset differentiation.

**Specificity and Preparation:**

Rat anti-mouse interleukin-12 p40 (IL-12 p40) is purified over an ion exchange column. Protein concentration is 1 mg/ml in PBS (after reconstitution).

**Usage and Storage:**

Reported to be effective for direct ELISA, immunoblotting, immunoprecipitation. Titer: by direct ELISA, 1:5,000 dilution will yield 0.5 O.D using alkaline phosphatase conjugated rabbit anti-mouse Ig (Jackson Laboratories).

Reconstitute with sterile H<sub>2</sub>O. 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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