

Purified anti-mouse IL-12 (p70)

Catalog # / Size: 511801 / 50 µg
511802 / 500 µg

Clone: C18.2

Isotype: Rat IgG2a, κ

Immunogen: CHO expressed, recombinant mouse IL-12 p70

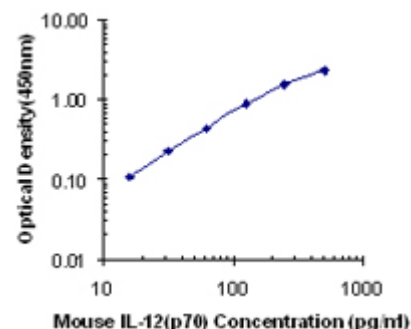
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Applications:

Applications: ELISA Capture

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For use as an ELISA capture antibody, a concentration range of 1-4 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of IL-12(p70) recombinant protein ranging from 500 to 4 pg/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: ELISA Capture: The purified C18.2 antibody is useful as a capture antibody for a sandwich ELISA assay, when used in conjunction with the biotinylated C17.8 antibody as detection antibody and recombinant mouse IL-12 p70 as the standard.

Description: Interleukin 12 (IL-12) is a heterodimeric pleiotropic 70 kD (p70) cytokine consisting of a 40 kD (p40) subunit and a 35 kD (p35) subunit. IL-12 is a potent regulator of cell-mediated immune responses and key mediator of Th1 cell development. Bioactive IL-12 is secreted by activated B lymphocytes, dendritic cells, and macrophages in response to pathogens or upon interaction with activated T cells. IL-12 p70 stimulates cytotoxic T, NK and LAK cell proliferation, and induces IFN-γ and TNF production in resting and activated T and NK cells. It has been suggested that IL-12 may have therapeutic potential as a vaccine adjuvant that promotes cellular-immunity and as an anti-tumor and anti-viral agent.

Antigen References:

1. Lankford CS, *et al.* 2003 *J. Leukoc. Biol.* 73:49.
2. Parham C, *et al.* 2002 *J. Immunol.* 168:5699.
3. Fitzgerald K, *et al.* Eds. 2001. *The Cytokine FactsBook*. Academic Press San Diego.
4. Trinchieri G, *et al.* 1993 *Immunol. Today* 14:335.
5. Quesniaux V. 1992. *Research Immunol.* 143:385.
6. Trinchieri G, *et al.* 1992 *Prog. Growth Factor Res.* 4:355.



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