

Product Data Sheet

Cat # AB-10710

Mouse Anti-Human Interleukin-4 IgG

**Size:** 100ug

**Synonyms:**

BCGF, BCDF, B cell stimulating factor, BSF-1, Lymphocyte stimulatory factor 1, IL-4, MGC79402, Binetrakin, Pitrakinra.

**Type:**

Mouse Anti Human Monoclonal

**Introduction:**

IL4 is a pleiotropic cytokine produced by activated T cells. IL4 is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this cytokine. This gene, IL3, IL5, IL13, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL13. IL4, IL13 and IL5 are found to be regulated coordinately by several long-range regulatory elements in an over 120 kilobase range on the chromosome. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. Direct ELISA, Western Blot, Immunoprecipitation, Immunohistochemistry, Intracellular staining. Immunohistochemistry, Intracellular staining. No cross reactivity with murine IL-4 was reported.

**Immunogen:**

Recombinant Human IL-4

**Ig Subclass:**

Mouse IgG2a; purification by ion exchange column; 1mg/mL in PBS after reconstitution; Reconstitute with sterile H2O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.

**Storage Procedures:**

In lyophilized form, for long periods, store at 4oC in a dry environment. After reconstitution, if not intended for use within a month, aliquot and store at -20oC. Two years lyophilized, one month in solution at 4oC. Antibody is shipped lyophilized at ambient temperature.

**Titer:**

In direct ELISA, using alkaline phosphatase goat anti-mouse Ig (Jackson Laboratories) 1:10,000 dilution will give 0.3 O.D.

**Usage:**

This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals. If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4oC for ~1 week or aliquots in suitable size and store at -20oC for long term storage.

REV 101001V

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