

Cat # AB-10810

Rat Anti-Mouse Interleukin-4 IgG

Size: 100ug

Synonyms:

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

Type:

Recombinant Murine IL-4 was used as antigen to generate monoclonal in rat. Rat IgG1; purification by ion exchange column; 1 mg/mL in PBS in liquid or powder form. Reconstitute with sterile H₂O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.

Negative Control

20005-11	Rat IgG1 unconjugated (isotype control)
20005-11-B	Rat IgG1-Biotin conjugate (isotype control)
20005-11-F	Rat IgG1-FITC conjugate (isotype control)
20005-11-HP	Rat IgG1-HRP conjugate (isotype control)
20005-11-PC5	Rat IgG1-R-PE-Cy5.5 conjugate (isotype control)
20005-11-PE	Rat IgG1-R-PE conjugate (isotype control)

Secondary Antibodies

50121-HRP	Anti-Rat IgG1-HRP Conjugate
50121-UL	Anti-Rat IgG1, unlabeled aff pure
50122-HRP	Anti-Rat IgG2a-HRP Conjugate
50122-UL	Anti-Rat IgG2a, unlabeled aff pure
50123-HRP	Anti-Rat IgG2b-HRP Conjugate
50123-UL	Anti-Rat IgG2b, unlabeled aff pure
50124-HRP	Anti-Rat IgG2c-HRP Conjugate
50124-UL	Anti-Rat IgG2c, unlabeled aff pure
50126-BTN	Monoclonal Anti-Rat IgG1-Biotin Conjugate
50126-Cy5	Monoclonal Anti-Rat IgG1-Cy5 Conjugate
50126-FITC	Monoclonal Anti-Rat IgG1-FITC Conjugate
50126-HRP	Monoclonal Anti-Rat IgG1-HRP Conjugate
50126-PE	Monoclonal Anti-Rat IgG1-PE Conjugate
50126-UL	Monoclonal Anti-Rat IgG1, unlabeled aff pure

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.

Storage Procedures:

In lyophilized form, for long periods, store at 4°C in a dry environment. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Two years lyophilized, one month in solution at 4°C. Antibody is shipped lyophilized at ambient temperature. If supplied in powder then reconstitute it in 100 µl water for 1 mg/ml stock and store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage.

Usage:

This item is for LABORATORY RESEARCH USE ONLY.

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