

## human IL-4 Mouse mAb

Catalog Number: bsm-30148M

Target Protein: human IL-4

Form: Liquid

Host: Mouse

Clonality: Monoclonal

Clone No.: 6B2

Isotype: Mouse IgG2b, k

Applications: WB, Flow-Cyt

Reactivity: Human

Predicted MW: 14 kDa

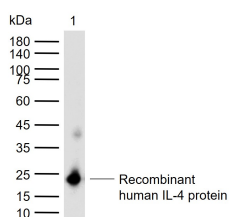
Purification: affinity purified by Protein G

Storage: 0.01M TBS (pH7.4).

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** The protein encoded by this gene is a pleiotropic cytokine produced by activated T cells. This cytokine 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. This gene, 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. [provided by RefSeq, Jul 2008].

### VALIDATION IMAGES



Sample: Lane 1: Recombinant human IL-4 protein, His (HEK293)(bs-43501P) Primary: Anti-human IL-4 (bsm-30148M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 14 kDa Observed band size: 21 kDa