

anti-human Interleukin-4 (anti-hIL-4)

monoclonal antibody ITB1 to Interleukin-4 (human)

Cat-No: 21450041

100 µg in 100 µl

Clone: ITB1

Specificity: The monoclonal antibody ITB1 recognizes human IL-4 in Western blot and ELISA.

Isotype: Mouse IgG

Form: Purified from hybridoma culture supernatant by Protein G affinity chromatography

Purity: The purity is > 95 % as determined by SDS-PAGE.

Physical State: liquid

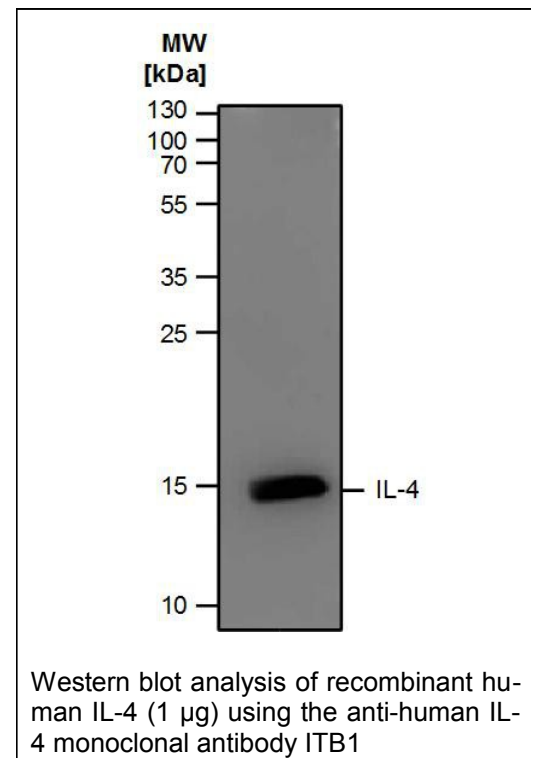
Buffer/Additives/Preservative: PBS containing 0.09 % sodium azide (pH 7.2).

Expiration date: The reagent is stable until the expiry date stated on the vial label

Storage conditions: Store at -20 °C. Avoid freeze/thaw cycles.

Applications: Western blot, ELISA

Our lab uses the recommended concentration of 0.1 - 10 µg/ml for Western blot. But it is up to the user to determine the optimal concentration for Western blot and ELISA.



Background: IL-4 is a pleiotropic cytokine produced by activated T cells. IL-4 is a ligand for Interleukin 4 receptor. The Interleukin 4 receptor also binds to IL-13 which may contribute to many overlapping functions of this cytokine and IL-13. 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, IL-3, IL-5, IL-13 and GM-CSF form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL-13. IL-4, IL-13 and IL-5 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.

Warning: Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink, and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for research only. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

ImmunoTools Excellent Quality - Advantageously priced

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