

anti-human Interleukin-10 (anti-hIL-10)

monoclonal antibody ITD2 to Interleukin-10 (human)

Cat-No: 21450101

100 µg in 100 µl

Clone: ITD2

Specificity: The monoclonal antibody ITD2 recognizes human IL-10 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

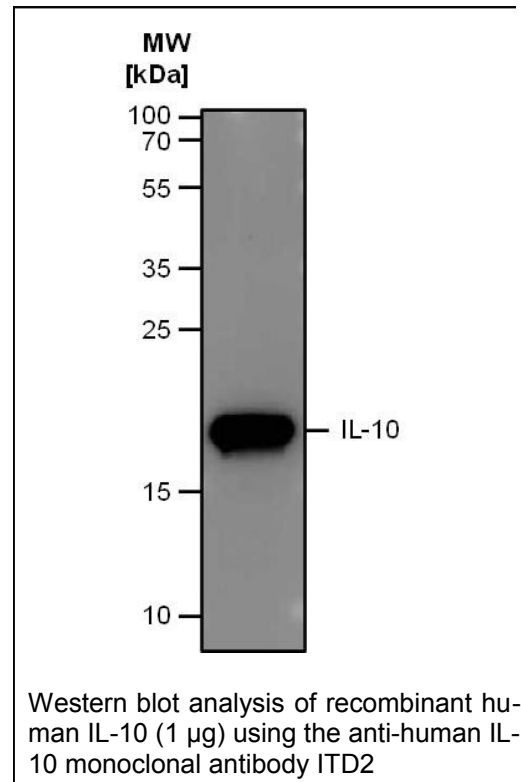
Buffer/Additives/Preservative: PBS containing 0.09 % sodium azide (pH 7.2).

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.

Application: 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-10 is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation and antibody production. This cytokine can block NF-kappa B activity and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract.

Human IL-10 active on murine cells, but murine IL-10 is inactive on human cells.

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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