

## anti-human Interleukin-6 (anti-hIL-6)

monoclonal antibody IT12H10 to Interleukin-6 (human)

Cat-No: 21450061

100 µg in 100 µl

Clone: IT12H10

**Specificity:** The monoclonal antibody IT12H10 recognizes human IL-6 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

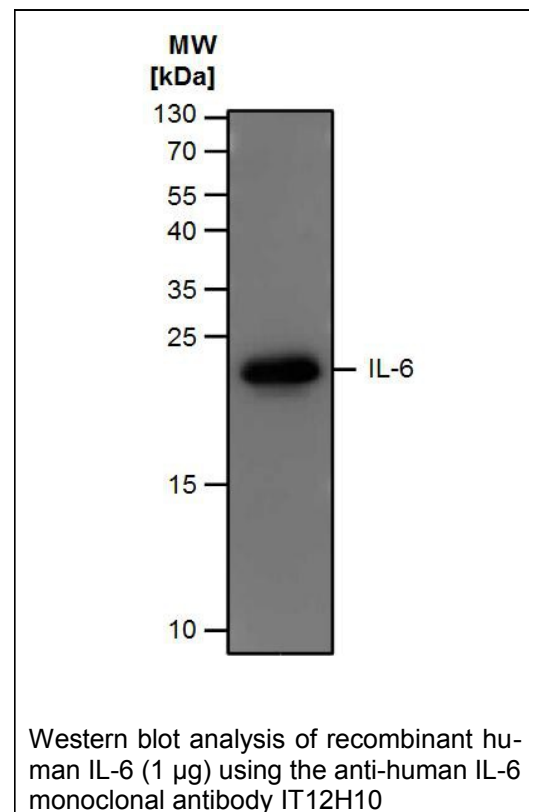
**Buffer/Additives/Preservative:** PBS containing 0.09 % sodium azide (pH 7.2).

**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-6 is a pleiotropic cytokine that plays important roles in acute phase reaction, antigen specific immune responses and hematopoiesis. Main sources of Interleukin-6 are monocytes, T-cells, fibroblasts and endothelial cells. IL-6 is a major mediator of acute phase reaction, it functions as B-cell differentiation factor (BCDF) and induces the proliferation of thymocytes. Moreover it has neurotrophic activity on certain neuronal cell types. IL-6 is also known to act as autocrine growth modulator of some tumor types.

**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.

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