



Interleukin 6 (IL-6) (FITC)

Catalog number

I8428-07C1

Supplier

United States Biological

Interleukin-6 (IL-6) is a pleotropic cytokine that plays an important role in host defense by regulating immune and inflammatory responses. IL-6 is produced by T cells, monocytes, fibroblasts, endothelial cells and keratinocytes. It has diverse biological functions. It stimulates B cell differentiation and antibody production. It synergizes with IL-3 in megakaryocyte development and platelet production. It induces expression of hepatic acute phase proteins. It regulates bone metabolism. IL-6 signals through the IL-6 receptor system that consists of two chains: IL-6Ra and gp130.

Applications

Suitable for use in Flow Cytometry, FLISA and Western Blot. Other applications not tested.

Recommended Dilution

Flow Cytometry: 1-10 μ l stains 10 \times 10⁶ human peripheral blood mononuclear cells stimulated with LPS. Successfully detects intracellular IL-6 levels.

FLISA: detection

Optimal dilutions to be determined by the researcher.

Storage and Stability

Store product at 4°C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20°C. Aliquots are stable at -20°C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer.

Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Note

Applications are based on unconjugated antibody.

Immunogen

Purified recombinant human IL-6

Formulation

Supplied as a liquid in PBS, pH 7.2. Carrier and preservative free. Labeled with Fluorescein isothiocyanate (FITC).

Purity

Purified by Protein A/G affinity chromatography.

Specificity

Recognizes human Interleukin 6 (IL-6).

Product Type



Mab

Source

human

Isotype

IgG1

Grade

Affinity Purified

Applications

FC FLISA WB

Crossreactivity

Hu

Storage

-20°C

Detection Method

FITC

Conjugate

x