

DATASHEET

Version: 2016-08-17

IL-6 Antibody, mAb, Mouse

Cat. No.: A01517-40

Size: 40 µg

Synonyms: BSF2 Antibody,mAb,Mouse; CDF Antibody,mAb,Mouse

Description:

Interleukin 6 (IL6) is a multifunctional 24 kDa protein originally discovered in the medium of RNA stimulated fibroblastoid cells. It is upregulated by IL1, TNF, PDGF, IFN beta, TNF alpha, NGF, IL17 and downregulated by glucocorticoids IL4 and TGF beta. IL6 appears to be directly involved in the responses that occur after infection and cellular injury, and it may prove to be as important as IL1 and TNF alpha in regulating the acute phase response. IL6 has also been implicated in regulating adipose mass.

IL6 is reported to be produced by fibroblasts, activated T cells, activated monocytes or macrophages, and endothelial cells. It acts upon a variety of cells including fibroblasts, myeloid progenitor cells, T cells, B cells, and hepatocytes. In addition, IL6 appears to interact with IL2 in the proliferation of T lymphocytes. IL6 potentiates the proliferative effect of IL3 on multipotential hematopoietic progenitors.

Immunogen: Human IL-6 recombinant protein

Host: Mouse

Antigen Synonyms: Human

Conjugation: Unconjugated

Fusion Partner:

Spleen cells were fused with SP2/0-Ag14 mouse myeloma cells

Formulation:

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide

Clone: 2F6H6

Ig Subclass: Mouse IgG2b, κ

Specificity: No cross reactivity with IL-1α, IL-1β, IL-4, IL-8, IL-18

Purification: Protein A affinity column

Applications:

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

ELISA: 0.05-0.2 µg/ml

Other applications: user-optimized

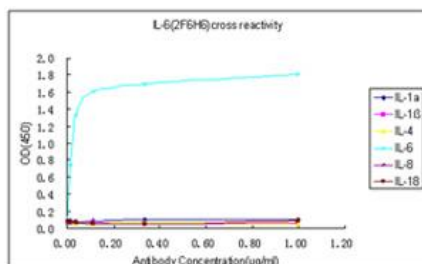
Reconstitution:

Reconstitute the lyophilized powder with deionized water (or equivalent) to an final concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.

Example



Cross reactivity detection