



Rat anti Mouse IL-6 Monoclonal Antibody

Alternative Name(s): Interleukin 6

Order Information

- **Description:** IL-6 (Ms)
- **Catalogue:** 500-8544
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rat
- **Clone:** MP5-20F3
- **Application:** IHC(P), FC
- **Reactivity:** Hu, Ms

ANTIGEN PREPARATION

A recombinant protein of human Interleukin 6. It is cross-reacting to mouse IL-6

BACKGROUND

IL-6 (interleukin-6) a 21-28 kDa cytokine that is expressed by many cell types, including T lymphocytes, B lymphocytes, monocytes, fibroblasts, and endothelial cells. IL-6 signals through a cell-surface type I cytokine receptor complex consisting of the ligand-binding IL-6R α chain (CD126), and the signal-transducing component gp130 (also called CD130). Upon receptor binding IL-6 influences antigen-specific immune responses, inflammatory responses, neuronal development, and is a major mediator of the acute phase reaction.

PURIFICATION

The rat IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes Mouse IL-6 protein. It reacts to human. The other species not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 $\mu\text{g}/\text{ml}$
- ELISA: 0.01-0.1 $\mu\text{g}/\text{ml}$
- Immunoprecipitation: 2-5 $\mu\text{g}/\text{ml}$
- IHC: 2-10 $\mu\text{g}/\text{ml}$
- Flow cytometry: 0.5-5 $\mu\text{g}/10^6$ cells
- Molecular Weight: 21-28
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

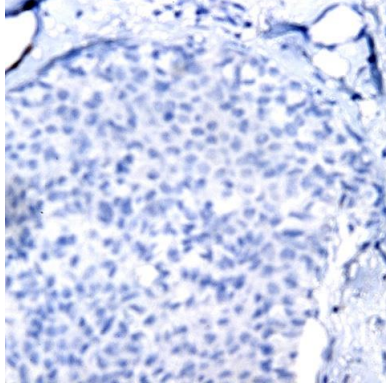
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Human Tonsil (FFPE) stained with Mouse anti-IL-6 (Cat#500-8544) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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