Rat anti Mouse IL-4 Monoclonal Antibody

Alternative Name(s): Interleukin 4

Order Information

- **Description:** IL-4 (Ms)
- **Catalogue:** 500-8524
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rat
- **Clone:** BVD4-1D11
- **Application:** IHC(P), FC
- **Reactivity:** Hu, Ms

ANTIGEN PREPARATION

A recombinant protein of human Interleukin 4. it is cross react to mice species

BACKGROUND

IL-4 is a pleiotropic cytokine produced by activated T cells, mast cells, and basophils. IL-4 is a potent lymphoid cell growth factor which stimulates the growth and activation of certain B cells and T cells. IL-4 is important for regulation of T helper subset development.

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 antbody recognizes mouse Il-4 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 –20oC to –70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: 0.5-5 µg/106 cells
- Molecular Weight: 30.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

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

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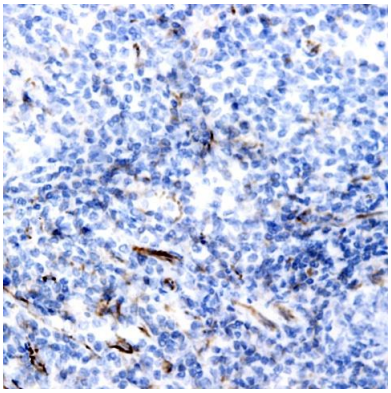
DATA ATTACHMENTS



Immunohistochemistry: Human Tonsil Tissue (FFPE) stained with Mouse anti IL-4 (Cat#500-8523) 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