Rat anti IL-7 (Hu, Ms) Monoclonal Antibody

Alternative Name(s): Interleukin-7, Lymphopoietin-1 (LP-1), Pre-B cell growth factor, Thymocyte growth factor

Order Information

- **Description:** IL-7
- **Catalogue:** 604-760
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rat
- **Clone:** ZY335
- **Application:** IHC(P), FC
- **Reactivity:** Hu

ANTIGEN PREPARATION

A recombinant protein of human IL-7

BACKGROUND

IL-7 is a potent lymphoid cell growth factor which promotes the proliferation of pre-B cells, thymocytes, T cell progenitors, and mature T cells. IL-7 induces formation of LAK cells and CTLs, and can stimulate tumoricidal activity of monocytes and macrophages. IL-7 can induce upregulation of proinflammatory cytokines in myeloid cells. IL-7 is expressed by stromal cells. The BVD10-40F6 antibody can neutralize the bioactivity of natural or recombinant IL-7.

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 human IL-7 protein. The other species are 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: 15.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

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

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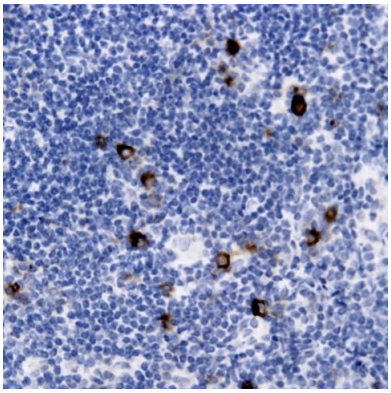
DATA ATTACHMENTS



Immunohistochemistry: Human Tonsil (FFPE) stained with Mouse anti-IL-7 (Cat# 604-760) 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

Park L, et al. 1992. Adv. Exp. Med. Biol. 323 125.

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