



## Rat anti mouse IL-2 Monoclonal Antibody

Alternative Name(s): nan

### Order Information

- **Description:** IL-2(ms)
- **Catalogue:** 604-770
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rat
- **Clone:** JES6-1A12
- **Application:** IHC(P), FC
- **Reactivity:** Mouse

### **ANTIGEN PREPARATION**

Cell membrane fraction of mouse PBMC

### **BACKGROUND**

IL-2 is a potent lymphoid cell growth factor which exerts its biological activity primarily on T cells. Additionally, IL-2 has been found to stimulate growth and differentiation of B cells, NK cells, LAK cells, monocytes, and oligodendrocytes. The JES6-1A12 antibody reacts with mouse interleukin-2 (IL-2).

### **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-2(ms) protein. The other species are not tested.

### **STORAGE**

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

### **APPLICATIONS/SUGGESTED WORKING DILUTIONS\***

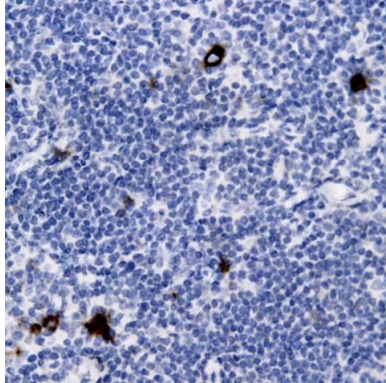
- Western Blot: 0.1-1  $\mu\text{g}/\text{ml}$
- ELISA: 0.01-0.1  $\mu\text{g}/\text{ml}$
- Immunoprecipitation: 2-5  $\mu\text{g}/\text{ml}$
- IHC: 2-10  $\mu\text{g}/\text{ml}$
- Flow cytometry: 0.5-5  $\mu\text{g}/10^6$  cells
- Molecular Weight: 69.0
- Positive Control: Kidney Tissue
- Cellular Location: 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-2 (Cat# 604-770) 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**

Nistico G. 1993. Prog. Neurobiol. 40:463.

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