

**Product:** Rabbit anti-Guinea Pig IL-2 antibody

**Catalog Number:** 500007

**Clone ID:** RA0040

**Antibody Clonality:** Monoclonal

**Host Species:** Rabbit

**Immunogen:**

**Production Method:** Recombinant antibody expressed in HEK293 cells and purified with Protein A affinity chromatography.

**Lot Number:** As specified on each product

**Size:** 100 ug. Other sizes available upon request.

**Concentration and Buffer:** 0.5mg/ml in PBS, pH 7.4 unless otherwise stated.

**Preservative:** None unless specified.

**Storage:** 4°C. For long term storage (over two months), freeze in aliquots at -20 °C and avoid multiple freeze-thaw cycles.

**Country of Origin:** USA

**Note:** For *in vitro* research use only. Not for diagnostic or therapeutic use.

**Description:**

IL-2 is a 15.5-16kDa cytokine secreted mainly by activated T cells that stimulates the growth and differentiation of T cells and other immune cells, including B cells, monocytes and NK cells [1] [2]. It plays important immunostimulatory and immunoregulatory roles [3].

**Recommended Usage:**

For ELISA and Western Blot, 0.1ug/ml to 0.5ug/ml of rabbit monoclonal antibody is a good starting point. Optimal concentration of antibodies should be tested under individual experiment conditions.

**References:**

- [1] S. Mitra and W. J. Leonard, "Biology of IL-2 and its therapeutic modulation: Mechanisms and strategies," *J. Leukoc. Biol.*, vol. 103, no. 4, pp. 643–655, Mar. 2018, doi: 10.1002/JLB.2RI0717-278R.
- [2] N. Arenas-Ramirez, J. Woytschak, and O. Boyman, "Interleukin-2: Biology, Design and Application," *Trends Immunol.*, vol. 36, no. 12, pp. 763–777, Dec. 2015, doi: 10.1016/j.it.2015.10.003.
- [3] M. F. Bachmann and A. Oxenius, "Interleukin 2: from immunostimulation to immunoregulation and back again," *EMBO Rep.*, vol. 8, no. 12, pp. 1142–1148, Dec. 2007, doi: 10.1038/sj.embor.7401099.