

LEAF™ Purified anti-human IL-7

Catalog # / Size: 501303 / 50 µg
501304 / 500 µg

Clone: BVD10-40F6

Isotype: Rat IgG1, κ

Immunogen: *E. coli* - expressed, recombinant human IL-7

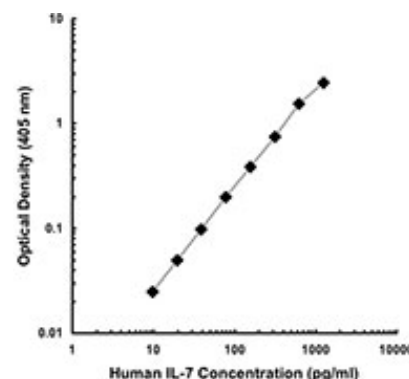
Reactivity: Human

Preparation: The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

Formulation: 0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg of the protein) as determined by the LAL test.

Concentration: 1.0 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.



Applications:

Applications: ELISA Capture, ELISPOT Capture, Neut, WB

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For ELISA or ELISPOT capture applications, a concentration range of 2-6 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of IL-7 recombinant protein ranging from 500 to 4 pg/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: **ELISA or ELISPOT Capture^{1,2}:** The Purified BVD10-40F6 antibody is useful as the capture antibody in a sandwich ELISA or ELISPOT assay, when used in conjunction with the biotinylated BVD10-11C10 antibody (Cat. No. 506602) as the detecting antibody. The LEAF™ Purified antibody is suggested for ELISPOT capture.
Neutralization¹: The LEAF™ Purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for neutralization of human IL-7 bioactivity (Cat. No. 501304).
Additional reported applications (for the relevant formats) include: Western blotting.

Application References: 1. Abrams J, *et al.* 1992. *Immunol. Rev.* 127:5.
2. Abrams J. 1995. *Curr. Prot. Immunol.* John Wiley and Sons New York. Unit 6.20.

Description: 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.

Antigen References: 1. Fitzgerald K, *et al.* Eds. 2001. *The Cytokine FactsBook*. Academic Press San Diego.
2. Park L, *et al.* 1992. *Adv. Exp. Med. Biol.* 323 125.
3. Melchers F, *et al.* 1992. *Adv. Exp. Med. Biol.* 323 111.

Related Products:	Product	Clone	Application
	Recombinant Human IL-7		BA, ELISA
	LEAF™ Purified Rat IgG1, κ Isotype Ctrl	RTK2071	FC, ICFC, WB, IP, ICC, IF, IHC, FA



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