

Purified anti-human IL-7

Catalog # / Size: 506604 / 500 µg
Clone: BVD10-11C10
Isotype: Rat IgG2a, κ
Immunogen: *E. coli* - expressed, recombinant human IL-7
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5 mg/ml
Storage: The antibody solution should be stored undiluted at 4°C.

Applications:

Applications: ELISA Detection, ELISPOT Detection

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For ELISA detection applications, a concentration range of 1-4 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. For use as an ELISPOT detection antibody, a concentration range of 2-8 µg/ml is recommended. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: **ELISA or ELISPOT Detection:** The biotinylated BVD10-11C10 antibody is useful as a detection antibody for a sandwich ELISA or ELISPOT assay, when used in conjunction with the purified BVD10-40F6 antibody (Cat. No. 501302/501304) as the capture antibody.
Additional reported applications (for the relevant formats) include: The BVD10-11C10 is a non-neutralizing antibody.

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

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 BVD10-11C10 monoclonal antibody is specific for human interleukin-7 (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
	HRP Avidin	Avidin	ELISA, ELISPOT, IHC, WB
	TMB Substrate Reagent Set		ELISA
	ELISA Assay Diluent (5X)		ELISA
	ELISA Coating Buffer (5X)		ELISA



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