

Product Data Sheet

Biotin anti-human IL-7

Catalog # / Size: 506601 / 50 µg
506602 / 500 µg

Clone: BVD10-11C10

Isotype: Rat IgG2a, κ

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

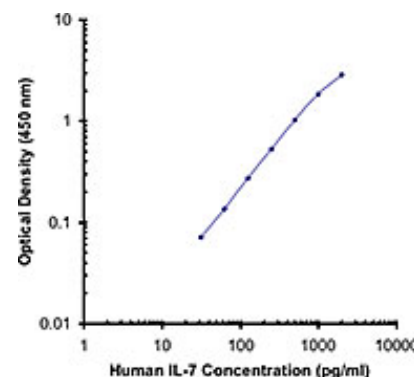
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

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. **Do not freeze.**



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
Purified anti-human IL-7
Recombinant Human IL-7
HRP Avidin
TMB Substrate Reagent Set
ELISA Assay Diluent (5X)

Clone
BVD10-40F6

Avidin

Application
ELISA Capture, WB
BA, ELISA
ELISA, ELISPOT, IHC, WB
ELISA
ELISA



For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.



*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, www.biolegend.com/ordering#license). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.