

Biotin anti-human IL-3

Catalog # / Size: 500604 / 500 µg

Clone: BVD3-1F9

Isotype: Rat IgG1, κ

Immunogen: Yeast-expressed, recombinant human IL-3

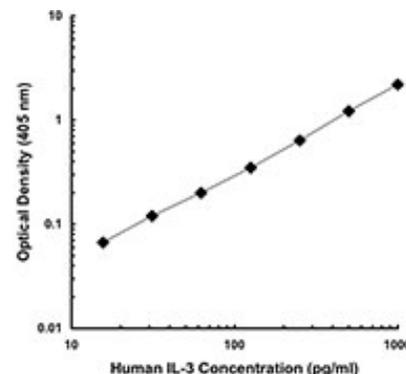
Reactivity: Human

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 use as an ELISA detection antibody, a concentration range of 0.5-2.0 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of human IL-3 protein ranging from 2000 to 15 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^{1,3,6} or ELISPOT⁴ Detection:** The biotinylated BVD3-1F9 antibody is useful as a detection antibody for a sandwich ELISA or ELISPOT assay, when used in conjunction with purified BVD8-3G11 (Cat. No. 500502) antibody as the capture antibody.

Flow Cytometry: The fluorochrome-labelled BVD3-1F9 antibody is useful for intracellular immunofluorescent staining and flow cytometric analysis to identify IL-3-producing cells within mixed cell populations. For intracellular cytokine staining protocol, please visit www.biolegend.com and click on the support section.

Additional reported applications (for the relevant formats) include: immunoprecipitation⁶, Western blotting⁶, neutralization^{1,6}, immunohistochemical staining^{5,7} of paraformaldehyde-fixed, saponin-treated frozen tissue sections, and immunocytochemistry.

- Application References:**
- Abrams J, *et al.* 1992. *Immunological Reviews* 127:5.
 - Abrams J, *et al.* 1994. *Eosinophils in Allergy and Inflammation*. Marcel Dekker New York. p.133.
 - Abrams J. 1995. *Curr. Prot. Immunol.* 6.20.
 - Mahanty S, *et al.* 1992. *J. Immunol.* 148:3567.
 - Andersson U, *et al.* 1993. *Detection and quantification of gene expression*. New York: Springer-Verlag.
 - Kaushansky K. 1992. *J. Clin. Invest.* 90:1879.
 - Andersson J, *et al.* 1994. *Immunology* 83:16.

Description: IL-3 is a highly species-specific pleiotropic factor produced primarily by activated T cells though also by mast cells, keratinocytes, and astrocytes, which stimulates colony formation of megakaryocytes, neutrophils, and macrophages from bone marrow cultures. The BVD3-1F9 antibody can neutralize the bioactivity of natural or recombinant IL-3.

- Antigen References:**
- Fitzgerald K, *et al.* Eds. 2001. *The Cytokine FactsBook*. Academic Press San Diego.
 - Frendl G. 1992. *Int. J. Immunopharmacol.* 14:421.
 - Ihle J. 1992. *Chem. Immunology* 51:65.

Related Products: Product

LEAF™ Purified anti-human IL-3

Purified anti-human IL-3

Recombinant Human IL-3

HRP Avidin

TMB Substrate Reagent Set

ELISA Assay Diluent (5X)

Clone

BVD8-3G11

BVD8-3G11

rh IL-3

Avidin

Application

ELISA Capture, ELISPOT

Capture, IP, Neut, WB

ELISA Capture, IP, 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.