

Product Data Sheet

Purified anti-human IL-3

Catalog # / Size: 500501 / 50 µg
500502 / 500 µg

Clone: BVD8-3G11

Isotype: Rat IgG1, κ

Immunogen: Yeast-expressed, recombinant human IL-3

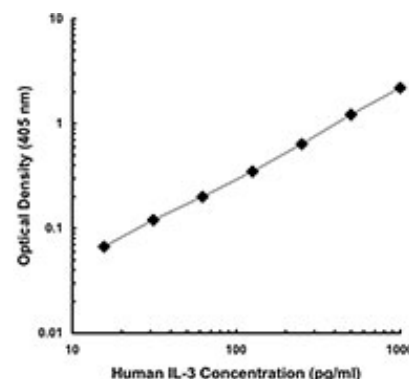
Reactivity: Human

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 Capture - *Quality tested*
WB, IP - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For ELISA capture applications, a concentration range of 0.5-2 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^{1-3,4} or ELISPOT Capture:** The purified BVD8-3G11 antibody is useful as the capture antibody in a sandwich ELISA or ELISPOT assay, when used in conjunction with the biotinylated BVD3-1F9 antibody (Cat. No. 500604) as the detecting antibody.

Additional reported applications include: Western blotting⁴ and immunoprecipitation⁴.

Application References:

1. Abrams J, *et al.* 1992. *Immunological Reviews* 127:5.
2. Abrams J, *et al.* 1994. *Eosinophils in Allergy and Inflammation*. Marcel Dekker New York. p.133.
3. Abrams J. 1995. *Curr. Prot. Immunol.* 6:20.
4. Kaushansky K. 1992. *J. Clin. Invest.* 90:1879.
5. Mahanty S, *et al.* 1992. *J. Immunol.* 148:3567.

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 BVD8-3G11 antibody can neutralize the bioactivity of natural or recombinant IL-3.

Antigen References:

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

Related Products:

Product
Biotin anti-human IL-3

Recombinant Human IL-3
HRP Avidin
TMB Substrate Reagent Set
ELISA Assay Diluent (5X)

Clone
BVD3-1F9

rh IL-3
Avidin

Application
ELISA Detection, ELISPOT
Detection
BA, ELISA
ELISA, ELISPOT, IHC, WB
ELISA
ELISA



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