

## Biotin anti-human G-CSF

**Catalog # / Size:** 506702 / 500 µg

**Clone:** BVD11-37G10

**Isotype:** Rat IgG2a, κ

**Immunogen:** *E. coli*-expressed, recombinant human G-CSF

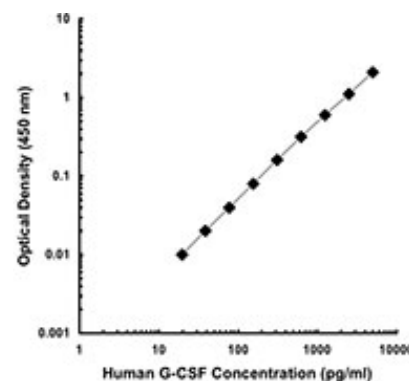
**Reactivity:** Human

**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 1-4 µg/ml is recommended. It is recommended that the reagent be titrated for optimal performance for each application.

**Application Notes:** **ELISA or ELISPOT Detection**<sup>1,2</sup>: The biotinylated BVD11-37G10 antibody is useful as a detection antibody for a sandwich ELISA or ELISPOT assay, when used in conjunction with purified BVD13-3A5 antibody (Cat. No. 502102/502104) as the capture antibody.

**Additional reported applications (for the relevant formats) include:** Western blotting, neutralization<sup>1,2</sup>, and immunohistochemistry<sup>3,4</sup>.

**Application References:**

1. Abrams J, *et al.* 1995. *Curr. Prot. Immunol.*. John Wiley and Sons New York. Unit 6.20
2. Abrams J, *et al.* 1992. *Immunol. Rev.* 127:5.
3. Andersson J, *et al.* 1994. *Immunol.* 83:16.
4. Sander B, *et al.* 1991. *Immunol. Rev.* 119:65.

**Description:** Granulocyte - colony stimulating factor (G-CSF) is a potent stimulator of bone marrow cells especially those of neutrophilic granulocyte lineage. In addition, G-CSF can enhance the survival and activate the immunological functions of mature neutrophils. G-CSF is produced primarily by monocytes and macrophages upon activation by endotoxin, TNF-alpha or IFN-gamma. The BVD11-37G10 antibody reacts with human granulocyte-colony stimulating factor (G-CSF). The BVD11-37G10 antibody can neutralize the bioactivity of natural or recombinant G-CSF.

**Antigen References:**

1. Fitzgerald K, *et al.* Eds. 2001. *The Cytokine FactsBook*. Academic Press San Diego.
2. Demetri G, *et al.* 1991. *Blood* 78:2791.
3. Moore M. 1991. *Annu. Rev. Immunol.* 9:159.
4. Negrin R, *et al.* 1992. *Adv. Pharmacol.* 23:263.

### Related Products:

**Product**  
Purified anti-human G-CSF  
Recombinant Human G-CSF  
HRP Avidin  
TMB Substrate Reagent Set  
ELISA Assay Diluent (5X)

**Clone**  
BVD13-3A5  
  
Avidin

**Application**  
ELISA Capture, IHC  
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](http://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.