

Anti-G-CSF/CSF3 Antibody Picoband® APC Conjugated

Catalog Number: PB9577-APC

About Csf3

Granulocyte-colony stimulating factor (G-CSF or GCSF), also known as colony-stimulating factor 3 (CSF 3), is a glycoprotein that stimulates the bone marrow to produce granulocytes and stem cells and release them into the bloodstream. Functionally, it is a cytokine and hormone, a type of colony-stimulating factor, and is produced by a number of different tissues. The pharmaceutical analogs of naturally occurring G-CSF are called filgrastim and lenograstim. G-CSF also stimulates the survival, proliferation, differentiation, and function of neutrophil precursors and mature neutrophils.

Overview

| | |
|----------------------|---|
| Product Name | Anti-G-CSF/CSF3 Antibody Picoband® APC Conjugated |
| Reactive Species | Human, Mouse |
| Application | Recommended applications are based on the parent unconjugated antibody (ELISA, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | P09920 |

Technical Details

| | |
|---------------------|--|
| Immunogen | E. coli-derived mouse G-CSF recombinant protein (Position: R47-A208). Mouse G-CSF shares 77.2% amino acid (aa) sequence identity with human G-CSF. |
| Cross Reactivity | No cross-reactivity with other proteins |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | APC Excitation Wavelength: 633-647 nm Emission Wavelength: 660 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users. |

3 Publications Citing This Product

1. PubMed ID: 10.1038/s41598-020-71993-w, Honey isomaltose contributes to the induction of granulocyte-colony stimulating factor (G-CSF) secretion in the intestinal epithelial cells following honey heating

2. PubMed ID: 32938976, Xu X,Asai K,Kato D,Ishiuchi K,Ding K,Tabuchi Y,Ota M,Makino T.Honey isomaltose contributes to the induction of granulocyte-colony stimulating factor (G-CSF) secretion in the intestinal epithelial cells following honey heating.Sci Rep.2020 Sep 16;10(1):15178.doi:10.1038/s41598-020-71993-w.PMID:32938976;PMCID:PMC7494892.

3. PubMed ID: 25667662, Zhang L, Wang H, Wang T, Jiang N, Yu P, Chong Y, Fu F. Exp Ther Med. 2015 Mar;9(3):972-976. Epub 2014 Dec 24. Ferulic Acid Ameliorates Nerve Injury Induced By Cerebral Ischemia In Rats.

Visit bosterbio.com/anti-g-csf-picoband-trade-antibody-pb9577-boster.html to see all 3 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-G-CSF/CSF3 Antibody - APC

For Research Use Only. Not for use in diagnostic procedures.