

Anti-G-CSF/CSF3 Antibody Picoband® Cy3 Conjugated

Catalog Number: PB9577-Cy3

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® Cy3 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	Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 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.

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