

Datasheet: AHP1031

BATCH NUMBER 170357

| | |
|----------------------|-------------------------|
| Description: | RABBIT ANTI HUMAN G-CSF |
| Specificity: | G-CSF |
| Format: | Purified |
| Product Type: | Polyclonal Antibody |
| Isotype: | Polyclonal IgG |
| Quantity: | 0.1 mg |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|--------------------------------|-----|----|----------------|--------------------|
| Flow Cytometry | | | ▪ | |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin (1) | ▪ | | | 0.25ug/ml |
| ELISA | ▪ | | | 0.5ug/ml - 2ug/ml |
| Immunoprecipitation | | | ▪ | |
| Western Blotting | ▪ | | | 0.1 - 0.2ug/ml |
| Functional Assays | ▪ | | | 0.04 - 0.06ug/ml |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1)This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.Sodium citrate buffer pH 6.0 is recommended for this purpose.

Target Species

Human

Product Form

Purified IgG - lyophilized

Reconstitution

Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. NB. For functional studies do not add azide.

Antiserum Preparation

Antisera to human G-CSF were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

| | |
|--|--|
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | None present |
| Carrier Free | Yes |
| Approx. Protein Concentrations | IgG concentration 1.0mg/ml after reconstitution |
| Immunogen | Recombinant human G-CSF |
| External Database Links | <p>UniProt: P09919 Related reagents</p> <p>Entrez Gene: 1440 CSF3 Related reagents</p> |
| Synonyms | C17orf33, GCSF |
| RRID | AB_2083737 |
| Specificity | <p>Rabbit anti Human G-CSF antibody recognizes human G-CSF (Granulocyte colony-stimulating factor), a 19.6kDa haematopoietic growth factor and member of the CSF family of hormone-like glycoproteins, which stimulates the development of bone marrow progenitor cells and in particular those committed to neutrophil lineage.</p> <p>The ability of G-CSF to stimulate the proliferation/differentiation and function of neutrophil granulocyte progenitor cells and survival of mature neutrophils, has resulted in G-CSF becoming an important factor in patient treatment following allogeneic (bone marrow/stem cell) transplantation and chemotherapy.</p> <p>To yield one-half maximal inhibition [ND₅₀] of the biological activity of hG-CSF (0.5 ng/ml), a concentration of 0.04-0.06 ug/ml of this antibody is required.</p> |
| ELISA | This purified human G-CSF antibody may be used in an indirect ELISA or as the capture reagent in a sandwich ELISA with our biotinylated human G-CSF antibody (AHP1031B) as the detection reagent and recombinant human G-CSF (PHP082B) as the standard. |
| Histology Positive Control Tissue | Human angiosarcoma |
| References | 1. Lonshakov, D.V. <i>et al.</i> (2024) Study of pH-Dependent Kinetics of Filgrastim Pegylation with Succinimide Derivatives of Poly(Ethylene Glycol) and Comparison of the Properties of Pegylated Forms Obtained Under Various Conditions Pharmaceutical Chemistry Journal . 58 (2): 306-19. |
| Further Reading | 1. Hill, C.P. <i>et al.</i> (1993) The structure of granulocyte-colony-stimulating factor and its |

relationship to other growth factors. [Proc Natl Acad Sci U S A. 90 \(11\): 5167-71.](#)
2. Morton, J. *et al.* (2001) Granulocyte-colony-stimulating factor (G-CSF)-primed allogeneic bone marrow: significantly less graft-versus-host disease and comparable engraftment to G-CSF-mobilized peripheral blood stem cells. [Blood. 98 \(12\): 3186-91.](#)

Storage

Prior to reconstitution store at -20°C.
After reconstitution store at -20°C.

This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10294 available at: <https://www.bio-rad-antibodies.com/SDS/AHP1031>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

Product inquiries: www.bio-rad-antibodies.com/technical-support

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M402159:220718'

Printed on 08 Dec 2025