

## Datasheet: 1012801

<b>Description:</b>	RAT ANTI HUMAN G-CSF
<b>Specificity:</b>	G-CSF
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	BVD11-37G10
<b>Isotype:</b>	IgG2a
<b>Quantity:</b>	0.5 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			
Western Blotting	▪			1.0 - 5.0ug/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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Antibody purified from ascites
<b>Buffer Solution</b>	Borate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5mg/ml

### External Database Links

**UniProt:**

[P09919](https://www.uniprot.org/uniprot/P09919)

[Related reagents](#)

**Entrez Gene:**[1440](#) CSF3 [Related reagents](#)

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**Synonyms** C17orf33, GCSF

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**RRID** AB\_618524

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**Specificity** **Rat anti Human G-CSF antibody, clone BVD11-37G10** recognizes human granulocyte colony stimulating factor (G-CSF), also known as Pluripoietin. In addition Filgrastim and Lenograstim are used to describe recombinant human G-CSF preparations. Human G-CSF is a 207 amino acid, ~20 kDa O-linked glycoprotein belonging to the IL-6 superfamily. There are potentially three isoforms formed by alternative splicing, Rat anti Human G-CSF antibody, clone BVD13-3A5 binds the canonical isoform-1, binding to other isoforms has not been assessed ([UniProt: P09919](#)).

G-CSF is produced by activated macrophages, monocytes and neutrophils. In addition it can be produced by fibroblasts and endothelial cells ([Zsebo et al. 1988](#)). G-CSF stimulates production of cells belonging to the granulocytic lineage in the bone marrow and is an activating agent for mature neutrophilic granulocytes ([Scapini et al. 2003](#)) to produce other cytokines including [CD257](#) (BAFF), operating through binding to the G-CSF receptor, CD114.

Biotinylated Rat anti Human G-CSF antibody, clone BVD11-37G10 has been successfully evaluated as a detection reagent in a highly sensitive sandwich ELISA assay with biotinylated Rat anti Human G-CSF, clone BVD11-3A5 ([1012701](#)) as a capture reagent and recombinant human G-CSF ([PHP082B](#)) as antigen.

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**Storage** Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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**Guarantee** Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.

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**Health And Safety Information** Material Safety Datasheet documentation #10123 available at: <https://www.bio-rad-antibodies.com/SDS/1012801>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR69...) [FITC](#)Goat Anti Rat IgG (STAR73...) [RPE](#)

Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®800</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>
Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight®800</a>

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M405696:220916'

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