

Datasheet: 1012808

**BATCH NUMBER 153365**

<b>Description:</b>	RAT ANTI HUMAN G-CSF:Biotin
<b>Specificity:</b>	G-CSF
<b>Format:</b>	Biotin
<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	▪			

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 conjugated to Biotin - liquid.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	0.5 mg/ml

### External Database Links

#### UniProt:

[P09919](#)

[Related reagents](#)

#### Entrez Gene:

[1440](#)

CSF3

[Related reagents](#)

<b>Synonyms</b>	C17orf33, GCSF
<b>RRID</b>	AB_2083736
<b>Specificity</b>	<p><b>Rat anti Human G-CSF antibody, clone BVD11-37G10</b> 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 (<a href="#">UniProt: P09919</a>).</p> <p>G-CSF is produced by activated macrophages, monocytes and neutrophils. In addition it can be produced by fibroblasts and endothelial cells (<a href="#">Zsebo et al. 1988</a>). G-CSF stimulates production of cells belonging to the granulocytic lineage in the bone marrow and is an activating agent for mature neutrophilic granulocytes (<a href="#">Scapini et al. 2003</a>) to produce other cytokines including <a href="#">CD257</a> (BAFF), operating through binding to the G-CSF receptor, CD114.</p> <p>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 (<a href="#">1012701</a>) as a capture reagent and recombinant human G-CSF (<a href="#">PHP082B</a>) as antigen.</p>
<b>ELISA</b>	This product may be used in a direct ELISA or as a detection reagent in a sandwich ELISA together with <a href="#">1012701</a> as the capture reagent.
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Guarantee</b>	Guaranteed until date of expiry. Please see product label.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/1012808">https://www.bio-rad-antibodies.com/SDS/1012808</a> 10040
<b>Regulatory</b>	For research purposes only

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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://www.bio-rad-antibodies.com/datasheets)  
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