

Datasheet: 1012801

**BATCH NUMBER 163268**

|                      |                      |
|----------------------|----------------------|
| <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.

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|---------------------------------------|---|
| <b>Target Species</b>                 | Human   |
| <b>Product Form</b>                   | Purified IgG - liquid   |
| <b>Buffer Solution</b>                | Borate buffered saline  |
| <b>Preservative Stabilisers</b>       | None present  |
| <b>Approx. Protein Concentrations</b> | IgG concentration 0.5mg/ml  |
| <b>External Database Links</b>        | <b>UniProt:</b><br><a href="#">P09919</a> <a href="#">Related reagents</a><br><br><b>Entrez Gene:</b> |

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|-----------------|----------------|
| <b>Synonyms</b> | C17orf33, GCSF |
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|-------------|-----------|
| <b>RRID</b> | AB_618524 |
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| <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> |
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| <b>Storage</b> | <p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p> |
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| <b>Guarantee</b> | 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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|--------------------------------------|---|
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10123 available at: <a href="https://www.bio-rad-antibodies.com/SDS/1012801">https://www.bio-rad-antibodies.com/SDS/1012801</a><br>10123 |
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|                   |                            |
|-------------------|----------------------------|
| <b>Regulatory</b> | For research purposes only |
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## Related Products

### Recommended Secondary Antibodies

|                                 |                             |
|---------------------------------|-----------------------------|
| Rabbit Anti Rat IgG (STAR16...) | <a href="#">DyLight®800</a> |
| Rabbit Anti Rat IgG (STAR17...) | <a href="#">FITC</a>        |
| Goat Anti Rat IgG (STAR72...)   | <a href="#">HRP</a>         |

Goat Anti Rat IgG (STAR69...) [FITC](#)  
Goat Anti Rat IgG (STAR73...) [RPE](#)  
Rabbit Anti Rat IgG (STAR21...) [HRP](#)  
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) [DyLight®550](#), [DyLight®650](#), [DyLight®800](#)  
Goat Anti Rat IgG (STAR131...) [Alk. Phos.](#), [Biotin](#)

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
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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)  
'M402071:220718'

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