

Datasheet: 1012808

BATCH NUMBER 153672

Description:	RAT ANTI HUMAN G-CSF:Biotin
Specificity:	G-CSF
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	BVD11-37G10
Isotype:	IgG2a
Quantity:	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.

	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.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - liquid.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	0.5 mg/ml

External Database Links

UniProt:

[P09919](#) [Related reagents](#)

Entrez Gene:

[1440](#) CSF3 [Related reagents](#)

Synonyms	C17orf33, GCSF
RRID	AB_2083736
Specificity	<p>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).</p> <p>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.</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 (1012701) as a capture reagent and recombinant human G-CSF (PHP082B) as antigen.</p>
ELISA	This product may be used in a direct ELISA or as a detection reagent in a sandwich ELISA together with 1012701 as the capture reagent.
Storage	<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>
Guarantee	Guaranteed until date of expiry. Please see product label.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/1012808 10040
Regulatory	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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