

Datasheet: 1012701

Description:	RAT ANTI HUMAN G-CSF
Specificity:	G-CSF
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	BVD13-3A5
Isotype:	IgG1
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	▪			
Western Blotting	▪			1ug/ml - 5ug/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.

Target Species	Human
Product Form	Purified IgG - liquid
Buffer Solution	Borate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Recombinant human granulocyte-colony stimulating factor expressed in <i>E. coil</i> .
External Database Links	<p>UniProt: P09919 Related reagents</p> <p>Entrez Gene: 1440 CSF3 Related reagents</p>
Synonyms	C17orf33, GCSF

Specificity **Rat anti Human G-CSF antibody, clone BVD13-3A5** 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.

Rat anti Human G-CSF antibody, clone BVD13-3A5 has been successfully evaluated as a capture reagent in a highly sensitive sandwich ELISA assay with biotinylated Rat anti Human G-CSF, clone BVD11-37G10 ([1012808](#)) as a detection reagent and recombinant human G-CSF ([PHP082B](#)) as antigen.

ELISA This product may be used in an indirect ELISA or as a capture antibody in a sandwich ELISA together with [1012808](#) as the detection reagent.

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.

Shelf Life Please see label for expiry date

Health And Safety Information Material Safety Datasheet documentation #10123 available at:
10123: <https://www.bio-rad-antibodies.com/uploads/MSDS/10123.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...) [DyLight®800](#)
Goat Anti Rat IgG (STAR73...) [RPE](#)
Rabbit Anti Rat IgG (STAR21...) [HRP](#)
Rabbit Anti Rat IgG (STAR17...) [FITC](#)
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) [DyLight®549](#), [DyLight®649](#), [DyLight®800](#)
Goat Anti Rat IgG (STAR131...) [Alk. Phos.](#), [Biotin](#)
Goat Anti Rat IgG (STAR69...) [FITC](#)
Goat Anti Rat IgG (STAR72...) [HRP](#)

Recommended Negative Controls

[RAT IgG1 NEGATIVE CONTROL \(MCA6004GA\)](#)

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