

Datasheet: 1012808

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	<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 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.

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	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. 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.
Shelf Life	18 months from the date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10303 available at: 10303: https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:Biotin \(MCA6005B\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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