

Datasheet: 4740-0955

Description:	MOUSE ANTI HUMAN GM-CSF
Specificity:	GM-CSF
Other names:	GRANULOCYTE MACROPHAGE COLONY STIMULATING FACTOR
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	3209 (30-4)
Isotype:	IgG1
Quantity:	0.1 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
Flow Cytometry			▪	
Immunohistology - Frozen	▪			8.0 - 25 ug/ml
Immunohistology - Paraffin			▪	
ELISA	▪			0.5 - 1.0 ug/ml
Western Blotting (1)	▪			1.0 - 2.0 ug/ml
Immunofluorescence			▪	
Functional Assays	▪			0.3 - 0.5 ug/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 the appropriate negative/positive controls.

(1) 4740-0955 should be used under non-reducing conditions, reducing conditions are not recommended.

Target Species	Human
Species Cross Reactivity	<p>Reacts weakly with: Mouse</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
Product Form	Purified IgG - liquid

Preparation	Purified IgG prepared by affinity chromatography on Protein A.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<5% trehalose
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Recombinant protein corresponding to amino acids 14 to 144 of human GM-CSF produced in <i>E. coli</i> .
External Database Links	<p>UniProt: P04141 Related reagents</p> <p>Entrez Gene: 1437 CSF2 Related reagents</p>
Synonyms	GMCSF
RRID	AB_2292283
Specificity	<p>Mouse anti Human GM-CSF antibody, clone 3209 recognizes recombinant and native human granulocyte macrophage colony stimulating factor (GM-CSF).</p> <p>Human Granulocyte colony stimulating factor (GM-CSF) is a 14.6 kDa glycoprotein, which is produced by T cells, macrophages, fibroblasts and endothelial cells. GM-CSF is involved in the stimulation of proliferation and differentiation of granulocyte and macrophage progenitor cells.</p> <p>The neutralization dose (ND50) of this batch, as determined by the proliferation of TF-1 cells, is approximately 0.3-0.5 µg/ml in the presence of 0.5 ng/ml of recombinant human GM-CSF. The ND50 may vary depending on conditions.</p>
Storage	<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>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10121 available at: 10121: https://www.bio-rad-antibodies.com/uploads/MSDS/10121.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@680 , DyLight@800 , FITC , HRP

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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