

Datasheet: MCA6231B

Description:	MOUSE ANTI HUMAN GM-CSF:Biotin
Specificity:	GM-CSF
Format:	Biotin
Product Type:	Monoclonal Antibody
Clone:	E04-5B11
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
ELISA	▪			1.0 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 appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG conjugated to Biotin - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	<i>E. coli</i> . derived recombinant human GM-CSF (Ala18-Glu144)
External Database Links	UniProt:

Entrez Gene:

[1437](#) CSF2 [Related reagents](#)

Synonyms	GMCSF
Fusion Partners	Cell fusion between immunized BALB/c mouse spleen cells and mouse myeloma SP2/0
Specificity	<p>Mouse anti Human GM-CSF antibody, clone E04-5B11 recognizes Granulocyte-Macrophage Colony-Stimulating Factor (GM-CSF) also known as colony stimulating factor 2. GM-CSF is a cytokine and acts as a hematopoietic growth factor and immune modulator of various immune cells. It is produced by immune cells including T cells and macrophages as well as endothelial and fibroblast cells. GM-CSF has various functions such as roles in recruiting circulating neutrophils, monocytes and lymphocytes (Shi et al. 2006). It is also involved in the maturation and activation of neutrophils and macrophages to induce microbial activity and the production of cytokines. GM-CSF elicits these functions through signaling via its receptor GM-CSFR to activate NF-kappaB or STAT5 signaling pathways (Dougan et al. 2019).</p> <p>Biotinylated Mouse anti Human GM-CSF antibody, clone E04-5B11 (MCA6231B) can be used as a detection antibody in a sandwich ELISA with the purified Mouse anti Human GM-CSF antibody, clone E01-1B6 as the capture antibody.</p>
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA6231B 10041
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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