

Datasheet: AHP772B

Description:	RABBIT ANTI HUMAN GM-CSF:Biotin
Specificity:	GM-CSF
Other names:	GRANULOCYTE MACROPHAGE COLONY STIMULATING FACTOR
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

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			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			0.25 - 1.0ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/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 - lyophilised
Reconstitution	Reconstitute with 0.5 ml sterile PBS containing 0.1% Bovine Serum Albumin. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.
Antiserum Preparation	Antisera to human GM-CSF were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml after reconstitution

Immunogen [Recombinant human GM-CSF](#)

External Database Links

UniProt:
[P04141](#) [Related reagents](#)

Entrez Gene:
[1437](#) CSF2 [Related reagents](#)

Synonyms GMCSF

Specificity **Rabbit anti Human GM-CSF antibody** recognizes human GM-CSF (granulocyte-macrophage colony-stimulating factor), a 14.6kDa haematopoietic growth factor which exists in both glycosylated and non-glycosylated biologically active forms, and stimulates the development of granulocytes, macrophages, early megakaryocytes and eosinophil progenitor cells.

The ability of recombinant GM-CSF to increase haematopoietic cell recovery has become a focus area in the therapeutic treatment of patients following bone marrow transplantation.

ELISA AHP772B may be used in a direct ELISA or as the detection reagent in a sandwich ELISA with [AHP772](#) as the capture antibody and [PHP235](#) as the standard

References 1. Metcalf, D. (1986) The molecular biology and functions of the granulocyte-macrophage colony-stimulating factors. [Blood. 67 \(2\): 257-67.](#)

Storage Prior to reconstitution store at +4°C.
After reconstitution store at -20°C.
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 12 months from date of reconstitution.

Health And Safety Information Material Safety Datasheet documentation #10162 available at:
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory For research purposes only

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