



CELL LAB Rat Anti-Mouse GM-CSF

Cat. No.	Form	Quantity
731827	Purified (UNLB) Antibody	0.5 mg

For Laboratory Use Only

DESCRIPTION

Clone: MP1-22E9
Immunogen: Yeast-expressed recombinant mouse GM-CSF
Isotype: Rat IgG2 α
Specificity: Mouse Granulocyte/Macrophage Colony Stimulating Factor (GM-CSF)¹⁻³
(This is a neutralizing antibody).

APPLICATIONS

Enzyme-Linked Immunosorbent Assay (ELISA) Capture: MP1-22E9 monoclonal antibody is useful as a capture antibody in a sandwich ELISA for quantifying mouse GM-CSF protein levels. Purified MP1-22E9 antibody should be paired with biotinylated MP1-31G6 antibody (Cat. No. 731829) as the detection antibody, with purified recombinant mouse GM-CSF as the standard.

Western Blotting: The purified MP1-22E9 antibody is also useful for Western blotting applications. For Western blotting, a concentration of 1-5 μ g/mL (in conjunction with AP-labeled Goat Anti-Rat Ig, Cat. No. 732647) has been found to enable detection of \leq 100 ng/lane of recombinant mouse GM-CSF under reducing conditions.

CHARACTERIZATION

To ensure lot-to-lot consistency, each batch of product is tested to conform with characteristics of a standard reference reagent using a sandwich ELISA.

WORKING DILUTIONS

Other Applications: Since applications vary, determine the optimum working dilution of the product that is appropriate for your specific needs.

HANDLING AND STORAGE

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of 100 mM borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added.
- Reagent is stable until the expiration date on the vial when stored at 2-8°C.

STATEMENT OF WARNINGS

1. Specimens, samples and all material coming in contact with them should be handled as if capable of transmitting infection and disposed of with proper precautions.
2. Never pipet by mouth and avoid contact of samples with skin and mucous membranes.

3. Do not use reagent beyond the expiration date on the vial label.
4. Avoid microbial contamination of reagent or erroneous results may occur.
5. Use Good Laboratory Practice (GLP) when handling this reagent.

TRADEMARKS

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For additional information or if damaged product is received, contact your local Beckman Coulter Representative.

REFERENCES

1. Sander B, Hoiden I, Andersson U, Moller E, and Abrams J. 1993. Similar frequencies and kinetics of cytokine producing cells in murine peripheral blood and spleen. *J Immunol Meth*, 166:201-214.
2. Suda T, O'Garra A, MacNeil I, Fischer M, Bond M, and Zlotnik A. 1990. Identification of a novel thymocyte growth-promoting factor derived from B cell lymphomas. *Cell Immunol*, 129:228-240.
3. Nozaki S, Abrams J, Pearce M, and Sauder D. 1991. Augmentation of granulocyte/macrophage colony-stimulating factor expression by ultraviolet irradiation is mediated by interleukin-1 in Pam 212 keratinocytes. *J Invest Dermatol*, 97:10-14.



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