

Product Data Sheet

LEAF™ Purified anti-human GM-CSF

Catalog # / Size: 502203 / 50 µg
502204 / 500 µg

Clone: BVD2-23B6

Isotype: Rat IgG2a, κ

Immunogen: *E. coli*-expressed, recombinant human GM-CSF

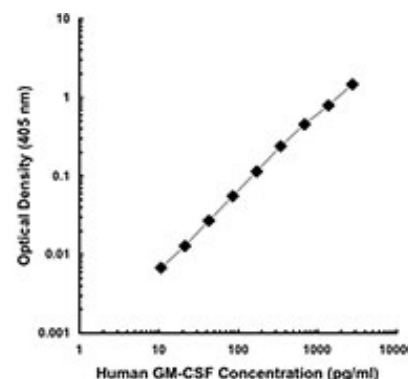
Reactivity: Human

Preparation: The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

Formulation: 0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg of the protein) as determined by the LAL test.

Concentration: 1.0 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.



Applications:

Applications: ELISA Capture - *Quality tested*
ELISPOT Capture, Neut, IP, WB - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For ELISA capture applications, a concentration range of 0.25-1 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of GM-CSF recombinant protein ranging from 500 to 4 pg/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: **ELISA or ELISPOT Capture¹⁻⁶:** The Purified BVD2-23B6 antibody is useful as the capture antibody in a sandwich ELISA or ELISPOT assay, when used in conjunction with the biotinylated BVD2-21C11 antibody (Cat. No. 502304) as the detecting antibody. The LEAF™ Purified antibody is suggested for ELISPOT capture.
Neutralization¹⁻⁴: The LEAF™ Purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for neutralization of human GM-CSF bioactivity (Cat. No. 502204).
Additional reported applications (for the relevant formats) include: immunoprecipitation³ and Western blotting.
Note: For testing human GM-CSF in serum or plasma, BioLegend's ELISA Max™ Sets (Cat. No. 432001 to 432006) are specially developed and recommended.

Application References:

1. Bacchetta R, *et al.* 1990. *J. Immunol.* 144:902.
2. Kita H, *et al.* 1991. *J. Exp. Med.* 174:745.
3. Abrams J, *et al.* 1992. *Immunol. Rev.* 127:5.
4. Abrams J, *et al.* 1994. *Eosinophils in Allergy and Inflammation*. Marcel Dekker New York. p.133.
5. Mahanty S, *et al.* 1992. *J. Immunol.* 148:3567.
6. Klinman D, *et al.* 1994. *Curr. Prot. Immunol.* John Wiley and Sons New York. Unit 6.19.

Description: Granulocyte/macrophage - colony stimulating factor (GM-CSF) is a hematopoietic factor that is produced by activated T cells, B cells, mast cells, macrophages, fibroblasts and endothelial cells. In addition to supporting colony formation of granulocyte/macrophage progenitors, GM-CSF is a growth factor for erythroid, megakaryocyte and eosinophil progenitors. The BVD2-23B6 antibody reacts with human granulocyte/macrophage - colony stimulating factor (GM-CSF). The BVD2-23B6 antibody can neutralize the bioactivity of natural or recombinant GM-CSF.

Antigen References:

1. Fitzgerald K, *et al.* Eds. 2001. *The Cytokine FactsBook*. Academic Press San Diego.
2. Demetri G, *et al.* 1991. *Blood* 78:2791.
3. Fan D, *et al.* 1991. *In vivo* 5:571.
4. Negrin R, *et al.* 1992. *Adv. Pharmacol.* 23:263.

Related Products: **Product**
Recombinant Human GM-CSF
LEAF™ Purified Rat IgG2a, κ Isotype Ctrl

Clone
rh GM-CSF
RTK2758

Application
BA, ELISA
FC, ICFC, WB, IP, ICC, IF,
IHC, FA



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