

CSF2

Mouse Anti-Human GM-CSF / CSF2 (Clone J1B10) mAb

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|---------------------------------|---|------------------|--------|
| Catalog No. | CMG104 | Quantity: | 0.5 mg |
| Alternate Names: | Granulocyte-macrophage colony-stimulating factor, colony-stimulating factor | | |
| Description: | The mouse monoclonal antibody recognizes Human GM-CSF/CSF2, a cytokine that controls the production, differentiation, and function of granulocytes and macrophages. The active form of GM-CSF is found extracellularly as a homodimer. | | |
| UniProt ID: | P04141 | | |
| Gene ID: | 1437 | | |
| Source: | Produced <i>in vitro</i> using serum free medium. | | |
| Specificity: | Binds and neutralizes both native and recombinant human GM-CSF <i>in vitro</i> . | | |
| Host: | Mouse | | |
| Isotype: | IgG1 | | |
| Clone: | J1B10 | | |
| Quantitation: | $E^{0.1\%}_{280\text{ nm}} = 1.4$ for a 1 mg/ml solution. | | |
| Formulation: | Lyophilized from a sterile-filtered solution of 0.5 ml PBS containing 125 mM trehalose. | | |
| Purification: | Ion exchange chromatography. | | |
| Reconstitution: | Centrifuge vial briefly before opening. Reconstitute with 0.5 ml sterile distilled water, containing 0.02% sodium azide to prevent bacterial growth (optional). Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only. | | |
| Biological Activity: | 25 µg monoclonal antibody neutralizes the bioactivity of 50 units recombinant human GM-CSF. | | |
| Applications: | ELISA and ELISPOT: Coating antibody. Functional Studies: <i>In vitro</i> neutralization. | | |
| Storage & Stability: | Lyophilized product is stable for at least one year at 2-8°C. After reconstitution, the contents can be safely stored at 2-8°C for one month or for one year in working aliquots at -20°C. Avoid repeated freeze-thaw cycles. | | |

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