



## Mouse Anti-Human GM-CSF Monoclonal Antibody Datasheet

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| <b>Product Name:</b> mAb anti-human GM-CSF   | <b>Clone No.:</b> 489   |
| <b>Catalogue No.:</b> MO-C40090F   | <b>Quantity:</b> 0.5 mg/vial  |
| <b>Description:</b> Mouse monoclonal antibody to human granulocyte macrophage colony stimulating factor (GM-CSF)   | <b>Storage:</b> Store at -20°C  |
| <b>Purification:</b> Protein G affinity purified   | <b>Research Area:</b> Hematopoiesis, infection  |
| <b>Product Type:</b> Primary antibody  | <b>Background:</b> GM-CSF is an extracellular homodimer polyprotein, functioning as a hematopoietic growth factor and immune modulator. It can be produced and act upon a variety of cell types, including T-lymphocytes, B-lymphocytes, monocytes/macrophages, endothelial cells, fibroblasts, stromal cells, mesothelial cells, keratinocytes, osteoblasts, uterine epithelial cells, synoviocytes, mast cells and various solid tumors. GM-CSF stimulates stem cells to produce granulocytes and monocytes to cope with infection. Recombinant GM-CSF has been applied to boost white blood cell in cancer patients after chemotherapy and may also be useful as an immune tonic for anemia and AIDS patients. |
| <b>Target Protein:</b> Human GM-CSF  | <b>Applications:</b> ELISA  |
| <b>Immunogen:</b> Purified recombinant human GM-CSF  | <b>References:</b> If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.   |
| <b>Fusion Myeloma:</b> Sp2/0-Ag14  |   |
| <b>Specificity:</b> Reacts with natural and recombinant human GM-CSF   |   |
| <b>Species Reactivity:</b> Human, others not tested  |   |
| <b>Cross-Reactivity:</b> Does not show any cross reaction with other human cytokines or growth factors tested such as M-CSF, G-CSFR, IL-8, IL-16, IL-1β, TGF-β1 and TNF-α. |   |
| <b>Host / Isotype:</b> Mouse, IgG2a Kappa  |   |
| <b>Formulation:</b> Lyophilized from a solution in 0.01M PBS, pH 7.2   |   |
| <b>Reconstitution:</b> Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.   |   |

This product is for **LABORATORY RESEARCH USE** and further manufacture **ONLY**, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

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