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Product datasheet for DM1011

GM CSF (CSF2) Mouse Monoclonal Antibody [Clone ID: 429]

Product data:

Product Type:	Primary Antibodies
Clone Name:	429
Applications:	ELISA, WB
Recommended Dilution:	**ELISA:** This antibody can be used as a detection antibody in Sandwich ELISA applications for Human GM-CSF detection in combination with a monoclonal capture antibody Clone 59 Cat.-No DM1014. **Western Blot.**
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant human GM-CSF.
Specificity:	This monoclonal antibody reacts with natural and recombinant human GM-CSF. Does not show any cross reaction with other human Cytokines or Growth Factors tested such as M-CSF, G-CSFR, IL-8, IL-16, IL1-beta, TGFbeta-1 and TNF-alpha.
Formulation:	0.01M PBS, pH 7.2 without preservatives. State: Purified State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore with double distillated water to adjust the final concentration to 1.00 mg/ml
Concentration:	1.0 mg/ml (after reconstitution)
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Upon receipt, store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	colony stimulating factor 2
Database Link:	Entrez Gene 1437 Human P04141

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Background: The cytokine GM-CSF stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes. Used in myeloid reconstitution following bone marrow transplant, bone marrow transplant engraftment failure or delay, mobilization and following transplantation of autologous peripheral blood progenitor cells, and following induction chemotherapy in older adults with acute myelogenous leukemia.

Synonyms: CSF2, GMCSF, Sargramostim, Molgramostin

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

Protein Pathways: Cytokine-cytokine receptor interaction, Fc epsilon RI signaling pathway, Hematopoietic cell lineage, Jak-STAT signaling pathway, Natural killer cell mediated cytotoxicity, T cell receptor signaling pathway

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