OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for DM1011HRP

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	429
Applications:	ELISA
Recommended Dilution:	**ELISA:** This HRP-conjugated monoclonal antibody can be used as a Tracer/Detection antibody in Sandwich ELISA applications for human GM-CSF detection in combination with a Capture antibody Clone 59 (*Cat.-No* DM1014). *Suggested Capture Coating Dose:* ~0.3 µg/ml. *Substrate:* TMB. If the above suggested conditions are followed approximately 2 pg/ml of GM-CSF in serum/ plasma or medium can be detected with an assay range of 0-500 pg/ml.
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 7.0 ± 0.1 in 50% Glycerol and 0.01% Thimerosal as a bacteriostat. Label: HRP State: Liquid purified IgG fraction Label: Horseradish Peroxidase
Purification:	Affinity Chromatography on Protein G
Conjugation:	HRP
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

View online »

Database Link:	Entrez Gene 1437 Human P04141
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