

## Product datasheet for **DM1014**

### GM CSF (CSF2) Mouse Monoclonal Antibody [Clone ID: 59]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	59
Applications:	ELISA, WB
Recommended Dilution:	<b>ELISA:</b> This antibody can be used as a Capture antibody in Sandwich ELISA applications for Human GM-CSF detection in combination with a monoclonal tracer/detection antibody (HRP conjugated <i>Cat.-No</i> DM1011HRP or Biotin conjugated <i>Cat.-No</i> DM1011BT). <i>Suggested Capture Coating Dose:</i> 0.3 µg/well. <i>Substrate:</i> 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. <b>Western Blot.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant human GM-CSF Mouse IgG1.
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, TGF beta-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 distilled 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.



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<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	colony stimulating factor 2
<b>Database Link:</b>	<a href="#">Entrez Gene 1437 Human P04141</a>
<b>Background:</b>	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.
<b>Synonyms:</b>	CSF2, GMCSF, Sargramostim, Molgramostin