

# Immunotag™ GM-CSF Monoclonal Antibody

Antibody Specification	
Catalog No.	ITM0311
Product Description	Immunotag™ GM-CSF Monoclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	GM-CSF
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Mouse
Immunogen	Purified recombinant fragment of human GM-CSF (aa18-144) expressed in E. Coli.
Specificity	GM-CSF Monoclonal Antibody detects endogenous levels of GM-CSF protein.
Purification	Affinity purification
Form	Ascitic fluid containing 0.03% sodium azide.
Gene Name	CSF2
Accession No.	P04141 P01587
Alternate Names	CSF2; GMCSF; Granulocyte-macrophage colony-stimulating factor; GM-CSF; Colony-stimulating factor; CSF; Molgramostin; Sargramostim

## Antibody Specification

Description	colony stimulating factor 2(CSF2) Homo sapiens The protein encoded by this gene is a cytokine that controls the production, differentiation, and function of granulocytes and macrophages. The active form of the protein is found extracellularly as a homodimer. This gene has been localized to a cluster of related genes at chromosome region 5q31, which is known to be associated with interstitial deletions in the 5q- syndrome and acute myelogenous leukemia. Other genes in the cluster include those encoding interleukins 4, 5, and 13. [provided by RefSeq, Jul 2008],
Cell Pathway/ Category	Cytokine-cytokine receptor interaction,Jak_STAT,Hematopoietic cell lineage,Natural killer cell mediated cytotoxicity,T_Cell_Receptor,Fc epsilon RI,
Protein Expression	Peripheral blood,
Subcellular Localization	extracellular region,extracellular space,intracellular,
Protein Function	function:Cytokine that stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes.,online information:Clinical information on Leukine,pharmaceutical:Available under the names Leukine (Immunex) and Leucomax (Novartis). 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.,polymorphism:Variant Ile-117 may be a risk factor for atopic asthma.,similarity:Belongs to the GM-CSF family.,subunit:Monomer.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.