ARG10032
anti-GM-CSF antibody [59]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [59] recognizes GM-CSF
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	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.
Host	Mouse
Clonality	Monoclonal
Clone	59
Isotype	IgG1, kappa
Target Name	GM-CSF
Species	Human
Immunogen	Purified recombinant human GM-CSF
Conjugation	Un-conjugated
Alternate Names	GM-CSF; Granulocyte-macrophage colony-stimulating factor; CSF; GMCSF; Molgramostin; Colony-stimulating factor; Sargramostim

Application Instructions

Application Note	ELISA: 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, Cat. No.: ARG10204). Suggested Capture Coating Dose: 0.3 µg/well; Substrate: TMB. If the above suggested conditions are followed approximately 2pg/mL of GM-CSF in serum/plasma or medium can be detected. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	0.01M PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 1437 Human Swiss-port # P04141 Human
Gene Symbol	CSF2
Gene Full Name	colony stimulating factor 2 (granulocyte-macrophage)
Background	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]
Function	Cytokine that stimulates the growth and differentiation of hematopoietic precursor cells from various lineages, including granulocytes, macrophages, eosinophils and erythrocytes. [UniProt]
Highlight	Related Antibody Duos and Panels: ARG30076 GM-CSF ELISA Antibody Duo Related products: GM-CSF antibodies; GM-CSF ELISA Kits; GM-CSF Duos / Panels; GM-CSF recombinant proteins; Anti-Mouse IgG secondary antibodies; Related news: HMGB1 in inflammation Inflammatory Cytokines
Research Area	Immune System antibody
Calculated Mw	16 kDa