ARG10204
anti-GM-CSF antibody [429] (HRP)

Package: 100 µl
Store at: -20°C

Summary

Product Description	HRP-conjugated Mouse Monoclonal antibody [429] 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	429
Isotype	IgG1, kappa
Target Name	GM-CSF
Antigen Species	Human
Immunogen	Purified recombinant human GM-CSF
Conjugation	HRP
Alternate Names	GM-CSF; Granulocyte-macrophage colony-stimulating factor; CSF; GMCSF; Molgramostin; Colony-stimulating factor; Sargramostim

Application Instructions

Application Note	ELISA: In combination with a monoclonal capture antibody clone 59 (Cat. No.: ARG10032), this HRP conjugated antibody can be used as a tracer antibody in sandwich ELISA applications for human GM-CSF detection. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Calculated Mw	16 kDa

Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	0.01M PBS (pH 7.2) and 50% Glycerol
Stabilizer	50% Glycerol
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. Storage in frost free freezers is not recommended. Keep the antibody in the dark and keep protected from prolonged exposure to light. 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	GM-CSF is an extracellular homodimer polyprotein, functioning as a hematopoietic growth factor and immune modulator. It can be produced and act upon a variety of cell types, including T-lymphocytes, B-lymphocytes, monocytes/macrophages, endothelial cells, fibroblasts, stromal cells, mesothelial cells, keratinocytes, osteoblasts, uterine epithelial cells, synoviocytes, mast cells and various solid tumors. GM-CSF stimulates stem cells to produce granulocytes and monocytes to cope with infection. Recombinant GM-CSF has been applied to boost white blood cell in cancer patients after chemotherapy and may also be useful as an immune tonic for anemia and AIDS patients.
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