

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GM-CSF in ELISAs. In ELISAs, this antibody does not cross-react with recombinant mouse (rm) GM-CSF, rrGM-CSF, rhM-CSF, rhG-CSF, rhIL-5-R α , or rhIL-3 R α .
Source	Monoclonal Mouse IgG ₁ Clone # 6804
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human GM-CSF Ala18-Glu144 Accession # P04141
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS and NaCl with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μ m filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	2.5 μ g/10 ⁶ cells	Human mature dendritic cells treated with LPS, Recombinant Human TNF- α (Catalog # 210-TA), and Recombinant Human IL-1 β /IL-1F2 (Catalog # 201-LB) fixed with paraformaldehyde and permeabilized with saponin
Human GM-CSF Sandwich Immunoassay		Reagent
ELISA Capture	2-8 μ g/mL	Human GM-CSF Antibody (Catalog # MAB615)
ELISA Detection	0.5-2.0 μ g/mL	Human GM-CSF Biotinylated Antibody (Catalog # BAM215)
Standard		Recombinant Human GM-CSF (Catalog # 215-GM)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

GM-CSF is a growth factor produced by a variety of lymphoid cells. It binds to receptor heterodimers consisting of a GM-CSF-specific α chain and the common β chain that is shared by the high affinity receptors for IL-3 and IL-5.