

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human GM-CSF in ELISAs. In ELISAs, no cross-reactivity with recombinant mouse GM-CSF, recombinant rat GM-CSF, recombinant human (rh) M-CSF, rhG-CSF, rhIL-5-Rα, or rhIL-3 Rα is observed.
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
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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	0.25-1 µg/10 ⁶ cells	Human mature dendritic cells treated with LPS, Recombinant Human TNF-α (Catalog # 210-TA), and Recombinant Human IL-1β/IL-1F2 (Catalog # 201-LB) fixed with paraformaldehyde and permeabilized with saponin

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

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.

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