

For Research Use Only

NeutraKine® GM-CSF Monoclonal antibody, PBS Only (Capture)

Catalog Number: 69003-1-PBS



Basic Information

Catalog Number: 69003-1-PBS	GenBank Accession Number: GeneID (NCBI): 1437	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	Full Name: colony stimulating factor 2 (granulocyte-macrophage)	CloneNo.: 1E10E7
Source: Mouse		
Isotype: IgG1		
Immunogen Catalog Number: HZ-1002		

Applications

Tested Applications:
Neutralization, Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

69003-1-PBS targets NeutraKine® GM-CSF as part of a matched antibody pair:

MP50067-1: 69003-1-PBS capture and 68702-1-PBS detection (validated in Sandwich ELISA)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

Granulocyte-macrophage colony-stimulating factor (GM-CSF), also known as colony-stimulating factor 2 (CSF2), is a monomeric glycoprotein secreted by macrophages, T cells, mast cells, natural killer cells, endothelial cells and fibroblasts. GM-CSF is a hematopoietic growth factor that stimulates the development of early erythroid megakaryocytic and eosinophilic progenitor cells (PMID 2990035). GM-CSF stimulates stem cells to produce granulocytes (neutrophils, eosinophils, and basophils) and monocytes (PMID 3021817, 2984574, 6390681).

This antibody can be used to neutralize the bioactivity of GM-CSF.

Storage

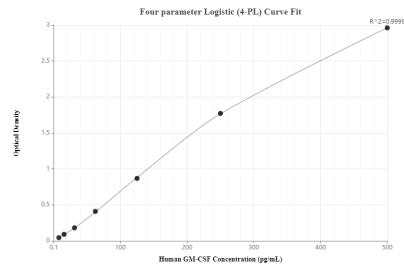
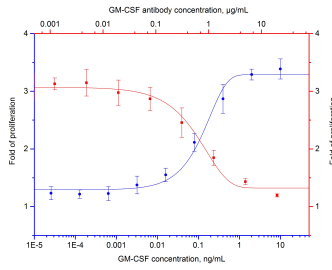
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

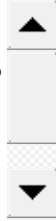
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Recombinant human GM-CSF (Cat.NO. HZ-1002) stimulates proliferation of TF-1 cell line (human erythroleukemic cell line) in a dose-dependent manner (blue curve, refer to bottom X-left Y). The activity of human GM-CSF (0.2 ng/mL HZ-1002) is neutralized by mouse anti-human GM-CSF monoclonal antibody 69003-1-Ig at serial dose (red curve, refer to top X-right Y). The ND50 is typically 1.5-4 µg/mL. This data was developed using the same antibody clone



Sandwich ELISA standard curve of MP50067-1, GM-CSF Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 69003-1-PBS. Detection antibody: 68702-1-PBS. Standard: Eg0189. Range: 7.8-500 pg/mL