

For Research Use Only

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

Catalog Number: 69003-1-PBS



Basic Information

Catalog Number:

69003-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

HZ-1002

GenBank Accession Number:

GeneID (NCBI):

1437

Full Name:

colony stimulating factor 2
(granulocyte-macrophage)

Purification Method:

Protein A purification

CloneNo.:

1E10E7

Applications

Tested Applications:

Neutralization, Sandwich ELISA, Indirect ELISA

Species Specificity:

human

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

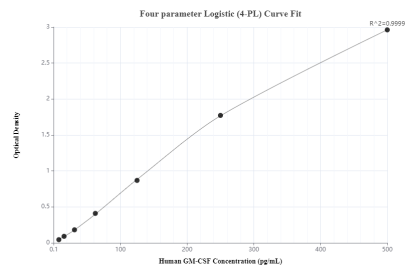
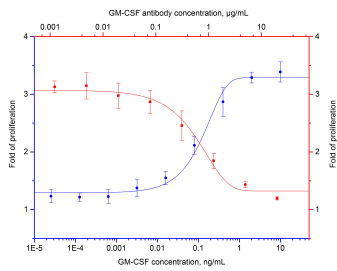
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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 with 69003-1-PBS in

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