

For Research Use Only

Rat GM-CSF Recombinant monoclonal antibody, PBS Only

Catalog Number:86923-1-PBS



Basic Information

Catalog Number: 86923-1-PBS	GenBank Accession Number: NM_053852.1	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 116630	CloneNo.: 243117B1
Source: Rabbit	UNIPROT ID: P48750	
Isotype: IgG	Full Name: colony stimulating factor 2 (granulocyte-macrophage)	
Immunogen Catalog Number: EG3202	Calculated MW: 17 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
rat

Background Information

Gm-csf, also known as Csf2, is a monomeric glycoprotein secreted by macrophages, T cells, mast cells, NK cells, endothelial cells and fibroblasts that functions as a cytokine. Gm-csf was first characterized as a hematopoietic growth factor that stimulates the proliferation of myeloid cells from bone-marrow progenitors. Gm-csf is now recognized as an important activating and differentiation factor for immune cells, and is essential for a wide range of biological processes in both innate and adaptive immunity. Gm-csf has been shown to protect against pulmonary infection and intestinal inflammation, and it is necessary for normal pulmonary and colon homeostasis.

Storage

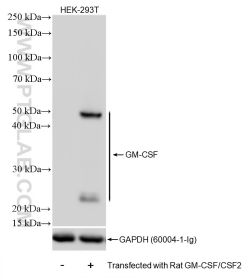
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

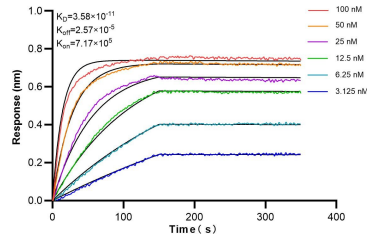
For technical support and original validation data for this product please contact:
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Selected Validation Data



Non-transfected and rat GM-CS Transfected HEK-293T cells were subjected to SDS PAGE followed by western blot with 86923-1-RR (GM-CSF/CSF2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86923-1-PBS in a different storage buffer formulation.



Bilayer interferometry (BLI) kinetic assays of 86923-1-RR against Rat GM-CSF were performed. The affinity constant is 35.8 pM.