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Rabbit anti-Mouse GM-CSF mAb

Catalog No.: RMK0304

Basic Information

Catalog No.
RMK0304

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level

Storage
Store at -20℃
Avoid repeated freeze-thaw cycles.

Formulation
Supplied as a 0.2um filtered solution in PBS with 0.05%ProClin 300,PH 7.4.

Contact

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Background

GM-CSF was initially characterized as a factor that can support the in vitro colony formation of granulocyte-macrophage progenitors. It is also a growth factor for erythroid, megakaryocyte, and eosinophil progenitors. GM-CSF is produced by a number of different cell types (including T cells, B cells, macrophages, mast cells, endothelial cells, fibroblasts, and adipocytes) in response to cytokine or inflammatory stimuli. On mature hematopoietic cells, GM-CSF is a survival factor for and activates the effector functions of granulocytes, monocytes/macrophages, and eosinophils . GM-CSF promotes a Th1 biased immune response, angiogenesis, allergic inflammation, and the development of autoimmunity . It shows clinical effectiveness in ameliorating chemotherapy-induced neutropenia, and GM-CSF transfected tumor cells are utilized as cancer vaccines . The 22 kDa glycosylated GM-CSF, similar to IL-3 and IL-5, is a cytokine with a core of four bundled alpha -helices. Mature mouse GM-CSF shares 49%-54% amino acid sequence identity with canine, fe...

Immunogen Information

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 18-141 of mouse GM-CSF (NP_034099.2).

Cross-Reactivity

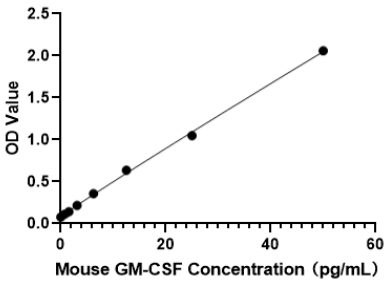
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Assay Applications

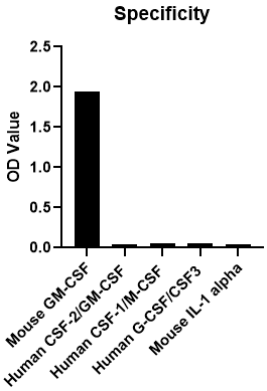
Mouse GM-CSF Sandwich Immunoassay

		Recommended Concentration	Sample
ELISA	Capture	1-4 ug/mL	Rabbit anti-Mouse GM-CSF mAb (Cat. No.RMK0304)
	Detection	0.1-0.4ug/mL	Rabbit anti-Mouse GM-CSF mAb (Cat. No.RMK0305)
	Standard	0.78-50pg/mL	Recombinant Mouse GM-CSF Protein

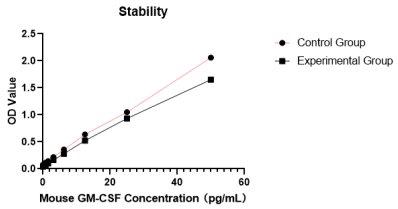
Validation Data



This standard curve is only for demonstration purposes. A standard curve should be generated for eachassay.



No significant cross-reactivity or interference was observed.



Placed at 37°C for 3 days, the stability of the standard curve all conformto CV <10%.