Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Human GM-CSF mAb(DET)

Catalog No.: RMK0108

Basic Information

Catalog No.
RMK0108

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

The protein encoded by this gene is a cytokine that controls the production, differentiation, and function of granulocytes and macrophages. The active form of the protein is found extracellularly as a homodimer. This gene has been localized to a cluster of related genes at chromosome region 5q31, which is known to be associated with interstitial deletions in the 5q- syndrome and acute myelogenous leukemia. Other genes in the cluster include those encoding interleukins 4, 5, and 13. This gene plays a role in promoting tissue inflammation. Elevated levels of cytokines, including the one produced by this gene, have been detected in SARS-CoV-2 infected patients that develop acute respiratory distress syndrome. Mice deficient in this gene or its receptor develop pulmonary alveolar proteinosis.

Immunogen Information

Immunogen
Recombinant Human GM-CSF Protein

Cross-Reactivity

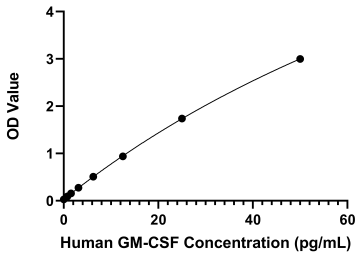
No cross-reactivity in ELISA with recombinant H.G-CSF,H.IL-3,H.IL-4,M.IL-4,H.IL-5,M.IL-5,H.M-CSF

Assay Applications

Human GM-CSF Sandwich Immunoassay

		Recommended Concentration	Sample
ELISA	Capture	2-8ug/mL	Rabbit anti-Human GM-CSF mAb(Cat. No.RMK0107)
	Detection	0.0625-0.25ug/mL	Rabbit anti-Human GM-CSF mAb(Cat. No.RMK0108)
	Standard	0.78-50pg/mL	Recombinant Human GM-CSF Protein

Validation Data



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