Leader in Biomolecular Solutions for Life Science

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Rabbit anti-Mouse G-CSF mAb (CAP)

Catalog No.: RMK0111

Basic Information

Catalog No.
RMK0111

Catagory
Elisa Antibody Kit

Application
ELISA

Product Information

Ig Type
Rabbit IgG

Purification
Affinity purification

Endotoxin Level
N/A

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

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

Contact

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Background

Mouse granulocyte-colony stimulating factor (G-CSF) is a 24-25 kDa monomeric glycoprotein that regulates the proliferation, differentiation and activation of hematopoietic cells. Mouse G-CSF cDNA encodes a 208 amino acid (aa) precursor protein with a 30 aa signal sequence that is proteolytically cleaved to form a 178 aa O-glycosylated mature protein containing two intrachain disulfide bridges. In humans, two distinct cDNA clones, encoding a 204 aa form and a minor alternatively spliced 207 aa form of G-CSF precursors, have been isolated.Mouse and human G-CSF are 76% identical at the aa sequence level and the two proteins show species cross-reactivity. G-CSF is produced primarily by monocytes and macrophages upon activation by endotoxin, TNF-α or IL-1. Other cell types, including fibroblasts, endothelial cells, astrocytes and bone marrow stroma cells, can also secrete G-CSF after activation. In addition, various tumor cells express G-CSF constitutively.

Immunogen Information

Immunogen
Recombinant mouse G-CSF

Cross-Reactivity

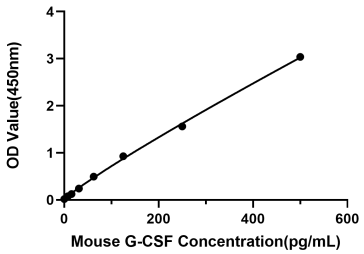
Mouse

Assay Applications

Mouse G-CSF Sandwich Immunoassay

	Recommended Concentration	Sample
ELISA Capture	1-4 μg/mL	Rabbit anti-Mouse G-CSF mAb (Cat. No. RMK0111)
ELISA Detection	0.008-0.033 μg/mL	Rabbit anti-Mouse G-CSF mAb (Cat. No. RMK0112)
Standard	7.8-500 pg/mL	Recombinant Mouse G-CSF Protein (Cat. No. RP00573)

Validation Data



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