

# Rabbit anti-Mouse G-CSF mAb (DET)

**Catalog No.: RMK0112**

## Basic Information

**Catalog No.**  
RMK0112

**Catagory**  
Elisa Antibody Kit

**Application**  
ELISA

## Product Information

**Ig Type**  
Rabbit IgG

**Purification**  
Affinity purification

**Endotoxin Level**

**Storage**  
This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C.  
Preservative □ 0.05% ProClin 300.  
**Avoid repeated freeze-thaw cycles.**

**Formulation**  
Supplied as a 0.2µm 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

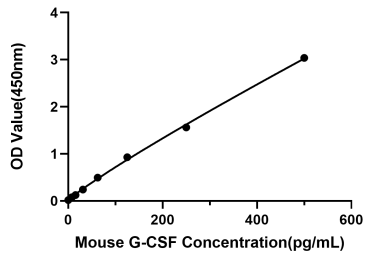
## Assay Applications

Mouse G-CSF Sandwich ELISA Immunoassay

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

## Validation Data

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