

CSF2

Mouse Anti-Human GM-CSF mAb, Azide Free

Catalog No.	CMV209A	Quantity:	50 µg
	CMV209B		100 µg

Alternate Names: Granulocyte-macrophage colony stimulating factor, Colony-stimulating factor, CSF

Description: Four distinct colony-stimulating factors (CSFs) that promote survival, proliferation and differentiation of bone marrow precursor cells have been well characterized: granulocyte macrophage CSF (GM-CSF), granulocyte CSF (G-CSF), macrophage CSF (M-CSF), and Interleukin-3 (IL-3, Multi CSF). Both GM-CSF and IL-3 are multipotential growth factors, stimulating proliferation of progenitor cells from more than one hematopoietic lineage. In contrast, G-CSF and M-CSF are lineage restricted hematopoietic growth factors, stimulating final mitotic divisions and the terminal cellular maturation of the partially differentiated hematopoietic progenitors.

Recent studies revealed that GM-CSF also had pro-inflammatory functions and contributed to the pathogenicity of Th17 cells in the development of Th17-mediated autoimmune diseases. GM-CSF inhibition in some animal models of autoimmune diseases showed significant beneficial effects. Therefore, several agents targeting GM-CSF are being developed and are expected to be a useful strategy for the treatment of autoimmune diseases.

UniProt ID: P04141

Gene ID: 1437

Immunogen: Recombinant human GM-CSF

Isotype: Mouse IgG1

Specificity: Human GM-CSF

Clone: MM0315-4D44

Source: Cell culture supernatant

Purification: Protein G affinity chromatography

Formulation: Lyophilized from sterile-filtered PBS.
Carrier and preservative free.

Reconstitution: **Centrifuge vial briefly before opening.** Reconstitute with sterile PBS to a final concentration of 0.5 mg/ml. **Do not vortex.**

Applications: ELISA: use as capture antibody paired with mAb CMV208, or pAb CPF055
FC, Neutralization

Storage & Stability: Store as supplied for up to 2 years at -20°C to -80°C.
Upon reconstitution, store working aliquots at -20°C to -80°C.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

