

CSF2

Mouse Anti-Human GM-CSF mAb, Azide Free

Catalog No.	CMV208A CMV208B	Quantity:	50 µg 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:	MM0315-7U1		
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 detection antibody (biotinylated) paired with CMV209 Western Blot: 1:500 - 1:1000 IHC-F: 1:50 - 1:200 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.		

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