

Mouse anti-Human IL-6 (Clone 8H12) Affinity Purified mAb

Catalog No.	CMI302	Quantity:	0.5 mg
Description:	IL-6 appears to be directly involved in the responses that occur after infection and cellular injury, and it may prove to be important as IL-1 and TNF- α in regulating the acute phase response. IL-6 is reported to be produced by fibroblasts, activated T cells, activated monocytes or macrophages and endothelial cells. IL-6 acts upon a variety of cells including myeloid progenitor cells, T cells, B cells, and hepatocytes. In addition, IL-6 appears to interact with IL-2 in the proliferation of T lymphocytes. IL-6 potentiates the proliferative effect of IL-3 on multipotential hematopoietic progenitors. IL-6 plays a critical role in B-cell differentiation to plasma cells and is a potent growth factor for plasmacytoma and myeloma. The functioning of IL-6 is implicated in a wide variety of inflammation-associated disease states including diabetes mellitus and systemic juvenile rheumatoid arthritis.		
Concentration:	1 mg/ml		
Purity:	>95% as determined by SDS-PAGE analysis.		
Specificity:	Human IL-6		
Host:	Mouse		
Immunogen:	Purified recombinant human IL-6.		
Isotype:	IgG ₁		
Clone:	8H12		
Formulation:	Sterile-filtered PBS, pH 7.2 containing 0.1% sodium azide		
Purification:	Protein A/G affinity chromatography.		
Applications:	ELISA as a detection antibody Western blot Flow Cytometry to detect intracellular IL-6 levels For flow cytometry, 0.1-0.5 μ g 8H12 stains 10 ⁶ human peripheral blood mononuclear cells stimulated with LPS. The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Store at 2-8°C for up to one month. For long term use, store in aliquots below -20°C. Avoid repeated freeze-thaw cycles.		

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



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