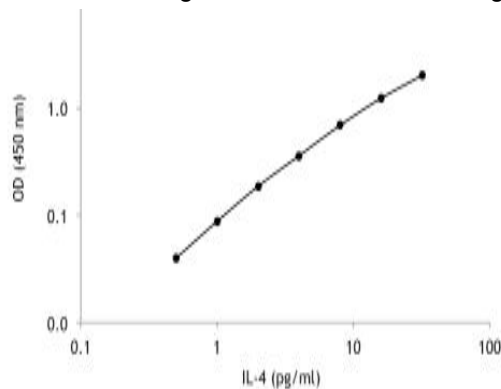


IL4

Mouse Anti-Human Interleukin-4 (Clone 5B5) mAb

Catalog No.	CMI020	Quantity:	500 µg
Alternate Names:	B-cell stimulatory factor, BSF-1, IL-4, Lymphocyte stimulatory factor 1		
Description:	The mouse monoclonal antibody recognizes human interleukin-4 (IL-4), a pleiotropic cytokine produced by activated T cells. This cytokine is a ligand for the IL-4 receptor. IL-4 has many functions, including stimulation of T cell and B cell proliferation, induction of differentiation of naive CD4+ T cells into Th2 cells, and induction of B cell isotype switching to IgE, associated with an allergic phenotype.		
UniProt ID:	P05112		
Source:	Produced <i>in vitro</i> using serum free medium.		
Isotype:	Mouse IgG1		
Specificity:	Binds with high efficiency to native and recombinant human IL-4		
Clone:	5B5		
Purification:	Ion exchange chromatography		
Formulation:	Lyophilized from sterile filtered PBS containing 125 mM trehalose.		
Biological Activity:	Efficiently inhibits IL4 -induced IgE production and IL4 induced T-cell proliferation.		
Applications:	<i>In vitro</i> neutralization Coating antibody in ELISA, ELISPOT Immunohistochemistry		
Reconstitution:	Centrifuge vial briefly before opening. Reconstitute with 0.5 ml sterile distilled water, containing 0.02% sodium azide to prevent bacterial growth (recommended). Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Storage:	Lyophilized product is stable for at least one year at 2-8°C. After reconstitution, the contents can be safely stored at 2-8°C for one month or for one year in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

Human IL-4 ELISA using Clone 5B5 as the Coating Antibody



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