

IL4

Mouse Anti-Human IL-4 Clone 8D4-8 mAb

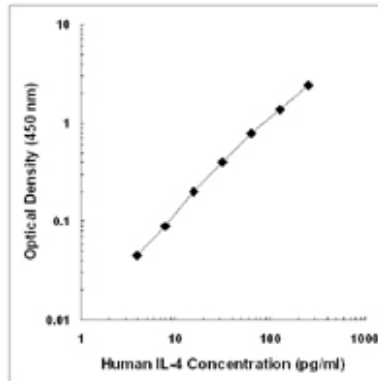
Catalog No.	CSI10036 CSI10037	Quantity:	50 µg 0.5 mg
Alternate Names:	Interleukin-4, Ia inducing factor (IaIF), B-cell stimulating factor-1 (BSF-1), Hodgkin's cell growth factor (HCGF), Mast cell growth factor-2 (MCGF-2), Macrophage fusion factor (MFF), T cell growth factor-2 (TCGF-2)		
Description:	IL-4 is a pleiotropic cytokine that is produced by activated T cells mast cells and basophils. IL-4 elicits many different biological responses, but has two dominant functions. The first is regulating differentiation of naïve CD4+ T cell to the Th2 type. Th2 cells produce IL-4, IL-5, IL-10 and IL-13, which tend to favor a humoral immune response while suppressing a cell-mediated immune response controlled by Th1 cells. The second is regulating IgE and IgG1 production by B cells. The 8D4-8 antibody can neutralize the bioactivity of natural or recombinant IL-4.		
Concentration:	0.5 mg/ml		
Gene ID:	3565		
Host:	Rat		
Immunogen:	Yeast-expressed, recombinant human IL-4		
Isotype:	Mouse IgG1, κ		
Clone:	BVD3-1F9		
Bioactivity:	Differentiation of naïve CD4+ T cells to the TH2 type, proliferation/differentiation of activated B cells, expression of class II MHC antigens, and of low affinity IgE receptors in resting B cells		
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	The antibody was purified by affinity chromatography.		
Reactivity:	Human, Cross-Reactivity: Chimpanzee, Baboon, Cynomolgus, Rhesus		
Applications:	ELISA Capture, IHC, IP		
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. The purified MP4-25D2 has been tested by blocking fluorochrome conjugated MP4-25D2 for intracellular cytokine staining. In order to obtain complete blocking results, a saturated amount of purified antibody (≤ 5.0 ug/million cells) should be used for incubation with target cells, prior to staining with fluorochrome conjugated		



antibody. It is recommended that the reagent be titrated for optimal performance for each application.

Storage & Stability:

The antibody solution should be stored undiluted at 2-4°C. **Do not freeze**



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



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