

IL4

Rat Anti-Human IL-4 Clone MP4-25D2 Biotin mAb

Catalog No.	CSI10042 CSI10043	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.		
Concentration:	0.5 mg/ml		
Gene ID:	3565		
Host:	Rat		
Immunogen:	CHO-expressed, recombinant human IL-4		
Isotype:	Rat IgG1, κ		
Clone:	MP4-25D2		
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, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin		
Reactivity:	Human, Cross-Reactivity: Swine (Pig, Porcine), Rhesus		
Applications:	ELISA Detection, ELISPOT Detection, ICFC		
Recommended Usage:	Each lot of this antibody is quality control tested by ELISA assay. For use as an ELISA detection antibody, a concentration range of 0.25-1.0 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of human IL-4 protein ranging from 500 to 2 pg/ml are recommended for each ELISA plate.		
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.



Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com