

IL4

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

Catalog No.	CSI10040 CSI10041	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 (Low Endotoxin, Azide-Free) antibody was Purified by affinity chromatography.		
Reactivity:	Human, Cross-Reactivity: Swine (Pig, Porcine), Rhesus		
Applications:	ELISA, ICFC, IHC, IP, WB		
Recommended Usage:	Each lot of this antibody is quality control tested by ELISA assay. 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 (\leq 5.0 µg/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		

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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