

## IL4

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

<b>Catalog No.</b>	CSI10042 CSI10043	<b>Quantity:</b>	50 µg 0.5 mg
<b>Alternate Names:</b>	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)		
<b>Description:</b>	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.		
<b>Concentration:</b>	0.5 mg/ml		
<b>Gene ID:</b>	3565		
<b>Host:</b>	Rat		
<b>Immunogen:</b>	CHO-expressed, recombinant human IL-4		
<b>Isotype:</b>	Rat IgG1, κ		
<b>Clone:</b>	MP4-25D2		
<b>Bioactivity:</b>	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		
<b>Formulation:</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide		
<b>Purification:</b>	The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin		
<b>Reactivity:</b>	Human, Cross-Reactivity: Swine (Pig, Porcine), Rhesus		
<b>Applications:</b>	ELISA Detection, ELISPOT Detection, ICFC		
<b>Recommended Usage:</b>	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.		
<b>Storage &amp; Stability:</b>	The antibody solution should be stored undiluted at 2-4°C. <b>Do not freeze</b>		

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