

## IL4

### Rat Anti-Human IL-4 Clone MP4-25D2 LE/NA mAb

<b>Catalog No.</b>	CSI10044 CSI10045	<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>	1.0 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 no preservative. 0.2 µm filter sterilized. Endotoxin level is < 0.1 EU/µg of the protein (< 0.01 ng/µg of the protein) as determined by the LAL test		
<b>Purification:</b>	The (Low Endotoxin, Azide-Free) antibody was Purified by affinity chromatography		
<b>Reactivity:</b>	Human, Cross-Reactivity: Swine (Pig, Porcine), Rhesus		
<b>Applications:</b>	ELISA, ICFC, IHC, IP, Neut, WB		
<b>Recommended Usage:</b>	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 (≤ 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.		
<b>Storage &amp; Stability:</b>	The antibody solution should be stored undiluted at 2-4°C. <b>Do not freeze. This solution contains no preservative; handle under aseptic conditions.</b>		

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