



## Product Datasheet

# Low Endotoxin Purified Anti-Human IL-4 Antibody [MP4-25D2]

Catalogue Code: AGEL2053

### Antibody Data

<b>Product SKU:</b>	<b>AGEL2053</b>	<b>Clone:</b>	<b>MP4-25D2</b>
<b>Applications:</b>	<b>ICFCM;Neut</b>		
<b>Reactivity:</b>	<b>Human</b>		

### Important Note:

Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information:

<b>Alternate Names:</b>	Interleukin-4;IL-4;B-cell IgG differentiation factor;B-cell growth factor 1;BSF-1;IGG1 induction factor;
<b>Uniprot ID:</b>	P05112
<b>Background:</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>Form:</b>	Liquid
<b>Conjugation:</b>	None (AF/LE)
<b>Size:</b>	50µg, 500µg, 1mg
<b>Host Species:</b>	Rat
<b>Isotype:</b>	Rat IgG1, κ
<b>Isotype Control:</b>	AF/LE Purified Rat IgG1, κ Isotype Control[HRPN] [Product AGEL2053]
<b>Storage Buffer:</b>	0.2 µm filtered in PBS, pH 7.2. Azide Free (AF)/Low Endotoxin (LE): Contains no stabilizers or stabilizers. Endotoxin level is < 2 EU/mg as Determined by LAL gel clotting assay.
<b>Shipping:</b>	Biological ice pack at 4°C

**Stability & Storage:** Keep as concentrated solution. Store at 2~8°C and protected from prolonged exposure to light. Do not freeze. Centrifuge before opening to ensure complete recovery of vial contents. This product is guaranteed up to one year from purchase.

**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 ( $\leq 5.0 \mu\text{g}/\text{million cells}$ ) 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.

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