



Product Datasheet

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

Catalogue Code: AGEL2380

Antibody Data

Product SKU:	AGEL2380	Clone:	MP4-25D2
Applications:	ICFCM;ELISA		
Reactivity:	Human		

Important Note:

Centrifuge before opening to ensure complete recovery of vial contents.

Product Information:

Alternate Names:	Interleukin-4;IL-4;B-cell IgG differentiation factor;B-cell growth factor 1;BSF-1;IGG1 induction factor;
Uniprot ID:	P05112
Background:	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.
Form:	Liquid
Conjugation:	Unconjugated
Size:	25µg, 100µg
Host Species:	Rat
Isotype:	Rat IgG1, κ
Isotype Control:	Purified Rat IgG1, κ Isotype Control[HRPN] [Product AGEL2380]
Storage Buffer:	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.
Shipping:	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.
