

## 36-2591: Anti-IL-4 / Interleukin 4 Monoclonal Antibody(Clone: IL4/1597)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	IL4/1597
<b>Application :</b>	ELISA
<b>Reactivity :</b>	Human
<b>Gene :</b>	HIL41
<b>Gene ID :</b>	3565
<b>Uniprot ID :</b>	P05112
<b>Alternative Name :</b>	B cell growth factor 1; B cell IgG differentiation factor; B Cell Stimulatory Factor 1; BCGF1; Binetrakin; BSF1; IGG1 induction factor; Il4e12; Interleukin 4 variant 2; Interleukin 4, isoform 1; Lymphocyte stimulatory factor 1; MGC79402; Pittrakina
<b>Isotype :</b>	Mouse IgG2b, kappa
<b>Immunogen Information :</b>	Recombinant full-length human IL-4 protein

### Description

Interleukin-4 (IL-4), also designated B cell stimulatory factor-1, is a glycosylated cytokine secreted by activated T lymphocytes, basophils and mast cells. The secreted IL-4 protein promotes the growth and differentiation of cells that participate in immune defense by favoring such events as the expansion of the Th2 lineage relative to Th1 cells. These T helper cell subsets are defined by their pattern of cytokine secretion: Th1 cells secrete IL-2, TNF, while Th2 cells secrete IL-4, IL-5 and IL-10. Another key immunological function of IL-4 is to induce immunoglobulin class switching. IL-4 has been shown to induce the production of IgE and enhance IgG4 secretion by B cells, but suppress the production of IgM, IgA, IgG1, IgG2 and IgG3. It has been determined that Stat6 is rapidly tyrosine phosphorylated following stimulation of IL-3 or IL-4, but is not detectably phosphorylated following stimulation with IL-2, IL-12 or erythropoietin.

### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

### Application Note

ELISA (For coating, order antibody without BSA);

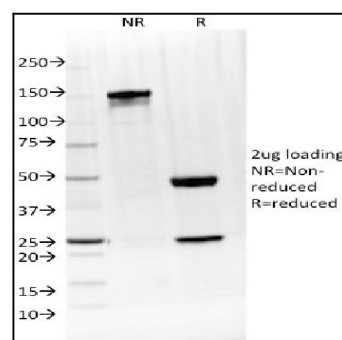


Fig. 1: SDS-PAGE Analysis Purified IL-4 Mouse Monoclonal Antibody (IL4/1597). Confirmation of Integrity and Purity of Antibody.