

## IL4 polyclonal antibody

Catalog: BS61515

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

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 $\beta$  and IFN- $\gamma$ , 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.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 17 kDa

### Swiss-Prot:

P05112

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)

### Applications:

WB: 1:500~1:1000

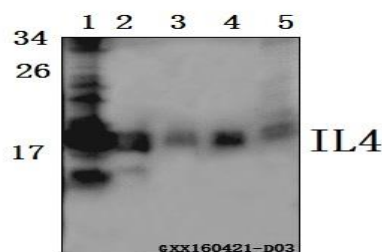
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

IL-4 polyclonal antibody detects endogenous levels of IL-4 protein.

### DATA:



Western blot (WB) analysis of IL-4 polyclonal antibody at 1:500 dilution

Lane1: Jurkat whole cell lysate(40ug)

Lane2: The testis tissue lysate of Mouse(40ug)

Lane3: The testis tissue lysate of Rat(40ug)

Lane4: The thymus tissue lysate of Rat(40ug)

Lane5: THP-1 whole cell lysate(40ug)

### Note:

For research use only, not for use in diagnostic procedure.

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