

## Basic Information

|                    |   |  |
|--------------------|---|--|
| Product Name       | Anti-IL4 Antibody   |  |
| Gene Name          | IL4   |  |
| Source             | Rabbit  |  |
| Isotype            | IgG   |  |
| Species Reactivity | mouse, rat  |  |
| Tested Application | WB, IHC, ELISA  |  |
| Contents           | 500 ug/ml antibody with PBS , 0.02% NaN3 , 1 mg BSA and 50% glycerol.   |  |
| Immunogen          | E. coli-derived human IL-4 recombinant protein(Position: H25-S153).   |  |
| concentration      | 500 ug/ml   |  |
| Purification       | Immunogen affinity purified.  |  |
| Observed MW        | 17KD  |  |
| Dilution Ratios    | Western blot(WB): 1:500-2000<br>Immunohistochemistry in paraffin section (IHC): 1:50-400<br>ELISA: 1:100-1000<br>(Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user. |  |

## Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

## Background Information

Interleukin-4(IL-4), also known as a B-cell stimulatory factor1(BSF1), is an immunomodulatory cytokine, which can inhibit the growth of tumour cells. The human cDNA contains a single open reading frame encoding a protein of 153 amino acids, including a putative signal peptide. IL-4 may act as an autocrine growth factor in pancreatic cancer cells and also give rise to the possibility that cancer-derived IL-4 may suppress cancer-directed immunosurveillance in vivo in addition to its growth-promoting effects, thereby facilitating pancreatic tumor growth and metastasis. The mouse and human genes and their protein products show structural and functional similarities. The human IL-4 gene, which occurs as a single copy in the haploid genome, is mapped on chromosome 5.2 The standard product used in this kit is recombinant human IL-4, consisting of 130 amino acids with the molecular mass of 14KDa.

## Reference

Anti-IL4 Antibody被引用在1文献中。

## Selected Validation Data

IL-4(BA0980)(MW:17KD)大鼠脾,脑,肠,肝组织裂解,免疫印迹分析。

