## Product datasheet Anti-IL4 Antibody Catalog Number: BA0561-2



BOSTER BIOLOGICAL TECHNOLOGY

Special NO.1, International Enterprise Center, 2nd Guanshan Road, Wuhan, China

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Basic Information	
Product Name	Anti-IL4 Antibody
Gene Name	IL4
Source	Rabbit
Isotype	IgG
Species Reactivity	human
Tested Application	WB
Contents	500 ug/ml antibody with PBS $,$ 0.02% NaN3 $,1$ mg BSA and $50%$ glycerol.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human IL-4(72-98aa AATVLRQFYSHHEKDTR).
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	17KD
Dilution Ratios	Western blot(WB):1:500-2000

## **Storage**

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

## **Background Information**

Interleukin-4(IL-4), also knowns as a B-cell stimulatory factor1(BSF1), is an immunomodulatory cytokine, which can inhibit the growth of tumour cells.1 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.1 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.

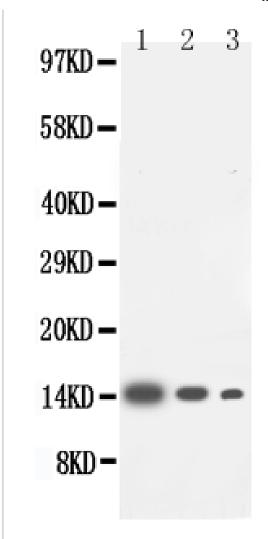
## **Selected Validation Data**

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Lane 1: Recombinant Human IL-4 Protein 10ngLane 2: Recombinant Human IL-4 Protein 5ngLane 3: Recombinant Human IL-4 Protein 2.5ng