

Anti-IL4 Antibody

Catalog Number: PA1749

About IL4

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. The standard product used in this kit is recombinant human IL-4, consisting of 130 amino acids with the molecular mass of 14KDa.

Overview

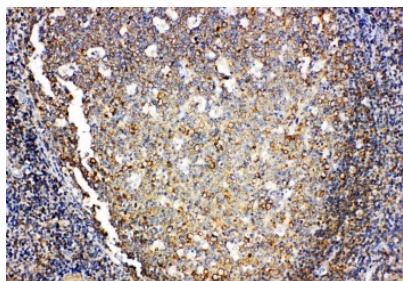
Product Name	Anti-IL4 Antibody
Reactive Species	Human
Description	Rabbit IgG polyclonal antibody for Interleukin-4(IL4) detection. Tested with WB, IHC-P in Human.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Storage Instructions	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P05112

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human
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	IL-4(72-88aa, AATVLRQFYSHHEKDTR).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross reactivity with other proteins
Isotype	N/A
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry(Paraffin-embedded Section), 0.5-1µg/ml, Human, By Heat Western blot, 0.1-0.5µg/ml, Human For protocols please visit https://www.bosterbio.com/protocol-and-troubleshooting/

Anti-IL4 Antibody (PA1749) Images



Anti-IL-4 antibody, PA1749, IHC(P)
IHC(P): Human Tonsil Tissue

Anti-IL-4 antibody, PA1749, Western blotting
All lanes: Anti IL-4 (PA1749) at 0.5ug/ml
Lane 1: Recombinant Human IL-4 Protein 10ng
Lane 2: Recombinant Human IL-4 Protein 5ng
Lane 3: Recombinant Human IL-4 Protein 2.5ng
Predicted bind size: 14KD
Observed bind size: 14KD



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