

bs-1740R**[Primary Antibody]****Bioss**
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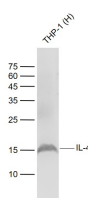
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IL-4 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human
GeneID: 3565	SWISS: P05112	
Target: IL-4		
Immunogen: KLH conjugated synthetic peptide derived from human IL-4: 25-125/137.		Predicted MW.: 14 kDa
Purification: affinity purified by Protein A		Subcellular Location: Secreted
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: The protein encoded by this gene is a pleiotropic cytokine produced by activated T cells. This cytokine is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this cytokine. This gene, IL3, IL5, IL13, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL13. This gene, IL13 and IL5 are found to be regulated coordinately by several long-range regulatory elements in an over 120 kilobase range on the chromosome. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008].		

— VALIDATION IMAGES —

Sample: Lane 1: THP-1 (Human) Cell Lysate at 30
ug Primary: Anti-IL-4 (bs-1740R) at 1/1000
dilution Secondary: IRDye800CW Goat Anti-
Rabbit IgG at 1/20000 dilution Predicted band
size: 17 kD Observed band size: 16 kD

— SELECTED CITATIONS —

- **[IF=5.6]** Yiming Zhang. et al. miR-210/NF-κB axis: A new direction for regulating cadmium-induced pig artery inflammatory injury. J CELL PHYSIOL. 2023 Jun;; WB ;Pig. 37269461
- **[IF=2.7]** Zhang Yiming. et al. Selenium deficiency modulates necroptosis-mediated intestinal inflammation in broiler through the lncRNAWSF27/miRNA1696/GPX3 axis. J ANIM SCI. 2024 Sep;; WB ;. 39331000
- **[IF=1.813]** Jiang Yan. et al. Exploring the Mechanism of Berberine Intervention in Ulcerative Colitis from the Perspective of Inflammation and Immunity Based on Systemic Pharmacology. Evid-Based Compl Alt. 2021;2021:9970240 IHC ;Rat. 34211579

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.