

**bs-0581R****[ Primary Antibody ]****Bioss**  
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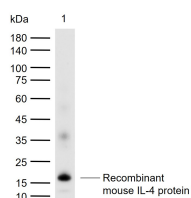
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**IL-4 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Mouse
<b>GeneID:</b> 16189	<b>SWISS:</b> P07750	
<b>Target:</b> IL-4		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from mouse IL-4: 181-147/147.		<b>Predicted MW.:</b> 14 kDa
<b>Purification:</b> affinity purified by Protein A		<b>Subcellular Location:</b> Secreted
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> 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: Recombinant mouse IL-4 protein, His (HEK293)(bs-43502P) Primary: Anti-IL4 (bs-0581R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 17 kDa Observed band size: 17 kDa

**— SELECTED CITATIONS —**

- **[IF=40.8]** Liu Ran. et al. Corynebacterium parakroppenstedtii secretes a novel glycolipid to promote the development of granulomatous lobular mastitis. SIGNAL TRANSDUCT TAR. 2024 Oct;9(1):1-17 IF ;Human,Rat. 39428541
- **[IF=15.1]** Sikai Wang. et al. Small Extracellular Vesicles Derived from Altered Peptide Ligand-Loaded Dendritic Cell Act as A Therapeutic Vaccine for Spinal Cord Injury Through Eliciting CD4+ T cell-Mediated Neuroprotective Immunity. Advanced Science. 2023 Nov;;2304648 IF ;Mouse. 38037457
- **[IF=13.6]** Xiangli Zhang. et al. Self-powered enzyme-linked microneedle patch for scar-prevention healing of diabetic wounds. SCI ADV. 2023 Jul;9(28) IHC ;Rat. 37450590

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

- **[IF=13.3]** Zhihong Su. et al. Novel asymmetrical double-layer structural adhesive hydrogels with synergetic neuroprotection and angiogenesis effect for diabetic wound healing. CHEM ENG J. 2024 Dec;;159081 ;MOUSE. 10.1016/j.cej.2024.159081
- **[IF=13.273]** Fangyu Qiao. et al. 4-Octyl itaconate modified demineralized bone matrix scaffold improves bone repair by regulating early inflammation. Chem Eng J. 2021 Dec;425:131490 WB,IF ;Rat. 10.1016/j.cej.2021.131490