
IL-4 Rabbit pAb

Catalog Number: bs-0581R

Target Protein: IL-4

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Mouse

Predicted MW: 14 kDa

Entrez Gene: 16189

Swiss Prot: P07750

Source: KLH conjugated synthetic peptide derived from mouse IL-4: 181-147/147.

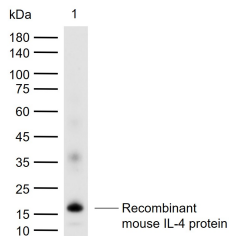
Purification: affinity purified by Protein A

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: 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

PRODUCT SPECIFIC PUBLICATIONS

[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

[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