bs-2458R **[Primary Antibody]**

IL-4R Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3566 **SWISS:** P24394

Target: IL-4R

Immunogen: KLH conjugated synthetic peptide derived from human IL-4R: 201-300/825. < Extracellular >

Purification: affinity purified by Protein A

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: This gene encodes the alpha chain of the interleukin-4 receptor, a type I transmembrane protein that can bind interleukin4 and interleukin 13 to regulate IgE production. The encoded protein also can bind interleukin 4 to promote differentiation of Th2 cells. A soluble form of the encoded protein can be produced by an alternate splice variant or by proteolysis of the membrane-bound protein, and this soluble form can inhibit IL4-mediated cell proliferation and IL5 upregulation by T-cells. Allelic variations in this gene have been associated with atopy, a condition that can manifest itself as allergic rhinitis, sinusitus, asthma, or eczema. Two transcript variants encoding different isoforms, a membrane-bound and a soluble form, have been found for this gene. [provided by RefSeq, Jul 2008].

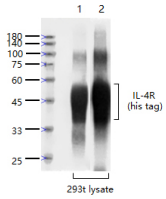
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: protein)

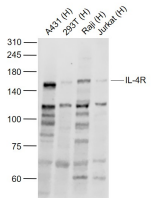
Predicted MW.: 88 kDa

Subcellular Location: Secreted ,Cell membrane

VALIDATION IMAGES



Sample: Lane 1: IL-4R-His protein (1-232) Overexpression 293T (Human) Cell Lysate at 4 ug Lane 2: IL-4R-His protein (1-232) Overexpression 293T (Human) Cell Lysate at 4 ug Primary: Lane 1: Anti-IL-4R (bs-2458R) at 1/1000 dilution Lane 2: Anti-His tag (bsm-33004M) at 1/1000 dilution Secondary: Lane 1: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Lane 2: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 43-48 kD Observed band size: 43-48 kD



Sample: Lane 1: A431 (Human) Cell Lysate at 30 ug Lane 2: 293T (Human) Cell Lysate at 30 ug Lane 3: Raji (Human) Cell Lysate at 30 ug Lane 4: Jurkat (Human) Cell Lysate at 30 ug Primary: Anti-IL-4R (bs-2458R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 88 kD Observed band size: 150 kD

SELECTED CITATIONS

- **[IF=17.521]** Daishi Yamakawa. et al. Cilia-Mediated Insulin/Akt and ST2/JNK Signaling Pathways Regulate the Recovery of Muscle Injury. Advanced Science. 2022 Nov;:2202632 WB ;Mouse. 36373718
- **[IF=8.28]** Danelli et al. Mast cells boost myeloid-derived suppressor cell activity and contribute to the development of tumor-favoring microenvironment. (2015) Cancer.Immunol.Res. 3:85-95 IHC ;Mouse. 25351848