bs-2458R

[Primary Antibody]

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IL-4R Rabbit pAb

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 membranebound and a soluble form, have been found for this gene. [provided by RefSeq, Jul 2008].

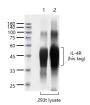
Applications: WB (1:500-2000)

Reactivity: Human

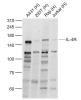
Predicted 88 kDa MW.:

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: IRDve800CW 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