

# Anti-IL-4R Antibody

## ER1911-37



<b>Product Type:</b>	Rabbit polyclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human
<b>Applications:</b>	WB
<b>Molecular Wt:</b>	88 KDa

**Description:** Receptor for both interleukin 4 and interleukin 13. Couples to the JAK1/2/3-STAT6 pathway. The IL4 response is involved in promoting Th2 differentiation. The IL4/IL13 responses are involved in regulating IgE production and, chemokine and mucus production at sites of allergic inflammation. In certain cell types, can signal through activation of insulin receptor substrates, IRS1/IRS2. Soluble IL4R (sIL4R) inhibits IL4-mediated cell proliferation and IL5 up-regulation by T-cells.

**Immunogen:** KLH conjugated synthetic peptide derived from human IL-4R 201-300/825

**Positive control:** Isoform 1 and isoform 2 are highly expressed in activated T-cells.

**Subcellular location:** Cell membrane; Single-pass type I membrane protein. Isoform 2: Secreted.

**Database links:** SwissProt: P24394 Human

**Recommended Dilutions:**  
**WB** 1:500-2000: 1:5000-10000

**Storage Buffer:** 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

**Storage Instruction:** Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C.

**Purity:** Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

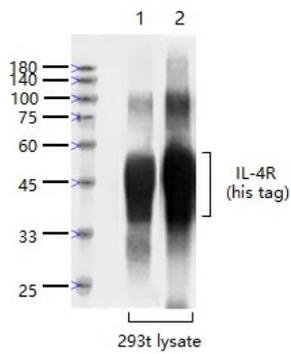
Orders:0086-571-88062880

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## Images

**Fig1: 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 (ER1911-37) at 1/1000 dilution

Lane 2: Anti-His tag at 1/1000 dilution

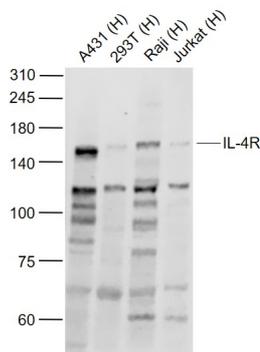
**Secondary:**

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

**Fig2: 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 (ER1911-37) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 88 kD

Observed band size: 150 kD

**Note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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