
Anti-IL-4R α

Cat #: HM1190
Rabbit polyclonal IgG
0.2 $\mu\text{g}/\mu\text{l}$, store at 4 °C

For research use only

BACKGROUND

The alpha chain of the interleukin-4 receptor is a type I transmembrane protein that can bind interleukin 4 and interleukin 13 to regulate IgE production. IL-2R γ chain enhances ligand binding in the cytokine receptors. However, it has no capacity to bind the ligand on its own. A soluble form of the IL-4 R α 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 IL-4 R α gene have been associated with atopy, a condition that can manifest itself as allergic rhinitis, sinusitis, asthma, or eczema.

SPECIFICITY

This antibody specifically reacts with IL-4R α of mouse, rat and human origin.

The antibody can be used in Western blotting, immunoprecipitation and immunohistochemistry.

IMMUNOGEN

A peptide mapping at the carboxyl terminus of IL-4R α of mouse origin.

STORAGE

This antibody is stable for 12 months when stored at 2-8° C.

REFERENCES

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