



20150116ML

# Anti-Mouse IL-4 receptor alpha (#16F23)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>103-M254</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a rat immunized with purified mouse recombinant protein of IL-4R extracellular domain. The IgG2 fraction of the culture supernatant was purified by Protein A/G affinity chromatography.

## Target Background

<b>Synonyms (Target):</b>	Il4ra; Il4r; CD124
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Two types of IL-4 receptor complexes have been described. The type I IL-4 receptor complex is composed of a high-affinity IL-4-binding subunit (referred to as IL-4 R or IL-4 R alpha) and the common gamma chain that does not bind IL-4 by itself. The type II IL-4 receptor complex is composed of IL-4 R and IL-13 R alpha 1. Besides IL-4 signals, the type II IL-4 receptor complex can also transduce IL-13 signals. In the type II complex, IL-4 R subunit binds only IL-4 and not IL-13. Similarly, the IL-13 R alpha 1 subunit binds only IL-13 and not IL-4.

## Database References Target

<b>Protein RefSeq:</b>	NP_001008700.1
<b>Uniprot ID:</b>	P16382
<b>mRNA RefSeq:</b>	NM_001008700.3

## Product Specifications

<b>Host</b>	Rat
<b>Reactivity against</b>	Mouse
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#16F23)
<b>Isotype</b>	IgG2
<b>Label</b>	
<b>Purification</b>	Protein G/A chromatography
<b>Antigen</b>	recombinant mouse protein of the extracellular domain of IL-4 R
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	PBS (sterile)

**Reconstitution:** Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

**Stability:** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

**Remarks:** This antibody detects mouse IL-4 R in Western blotting.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:

WB

**Recommended usage:**

**WB:** 1:500-1000

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**