



20150218ML

# Anti-Mouse IFN-gamma Receptor-1 (#7K23)

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

<b>Cat.-no.:</b>	<b>103-M234</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 INF gamma R1.

## Target Background

<b>Synonyms (Target):</b>	Ifngr1; Ifgr; CD119; Ifngr; Nkt ar; IFN-gammaR; Interferon gamma Receptor 1
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The high-affinity IFN-gamma receptor complex is made up of two type I transmembrane proteins, IFN-gamma R1 (IFN-gamma R alpha) and IFN-gamma R2 (IFN-gamma R beta). Both proteins are members of the type II cytokine receptor family. IFN-gamma R1 is the ligand-binding subunit that is necessary and sufficient for IFN-gamma binding and receptor internalization. IFN-gamma R2 is required for IFN-gamma signaling, but does not bind IFN-gamma by itself.

## Database References Target

<b>Protein RefSeq:</b>	NP_034641.1
<b>Uniprot ID:</b>	P15261
<b>mRNA RefSeq:</b>	NM_010511.2

## Product Specifications

<b>Host</b>	Rat
<b>Reactivity against</b>	Mouse
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#7K23)
<b>Isotype</b>	IgG2
<b>Purification</b>	Protein G/A chromatography
<b>Antigen</b>	recombinant mouse protein of IFN-gamma R1
<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 INFγR1 in Western blotting.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:

WB

**Recommended usage:**

Western Blot: 1:500 - 1:1000

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