



20180221BB

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

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

Cat.-no.:	103-M234
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

Synonyms (Target):	Ifngr1; Ifgr; CD119; Ifngr; Nktar; 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

Protein RefSeq:	NP_034641.1
Uniprot ID:	P15261
mRNA RefSeq:	NM_010511.2

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#7K23)
Isotype	IgG2
Purification	Protein G/A chromatography
Antigen	recombinant mouse protein of IFN-gamma R1
Formulation	lyophilized
Reconstitution buffer	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, IHC

Recommended usage:

Western Blot: 1:500 - 1:1000

IHC (Paraffin): 1:100-200

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



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Handling/Applications

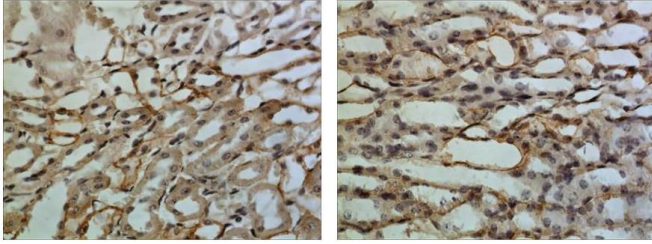


Fig. 1: The Kidney tissue samples from the Folic Acid-induced kidney injury model were fixed using 4% PFA at 4°C for overnight and embedded in paraffin. A 4 µm section was subjected to IHC (1:100-200).
Antigen retrieval: PK (10 µg/ml)