



20150116ML

Anti-Mouse IL-21 receptor (#7F27)

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

Cat.-no.:	103-M250
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-21R extracellular domain. The IgG1 fraction of the culture supernatant was purified by Protein A/G affinity chromatography.

Target Background

Synonyms (Target):	IL21r; NILR
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IL-21 R, also called NILR (novel interleukin receptor) is a type I cytokine receptor with four conserved cysteine residues and an extracellular WSXWS motif. It is most closely related to IL-2 R beta and IL-9 R alpha. Mouse and human IL-21 R share 62% amino acid identity. IL-21 R is expressed on lymphoid tissues, peripheral B cells, and cell lines of T, B and natural killer cell lineage. IL-21 mediated signaling requires the common gamma chain in addition to IL-21 R.

Database References Target

Protein RefSeq:	NP_068687.1
Uniprot ID:	Q9JHX3
mRNA RefSeq:	NM_021887.2

Product Specifications

Host	Rat
Reactivity against	Mouse
Clonality	Monoclonal Antibody
Clone	(#7F27)
Isotype	IgG1
Purification	Protein A/G chromatography
Antigen	Mouse recombinant EC domain of IL-21 R
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 IL-21 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!