



20150116ML

# Anti-Mouse Leptin R (#9C29)

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

<b>Cat.-no.:</b>	<b>103-M227</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 Leptin R extracellular domain. The IgG2 fraction of the culture supernatant was purified by Protein A/G affinity chromatography.

## Target Background

<b>Synonyms (Target):</b>	Lepr; db; Obr; obl; Leprb; Modb1; LEPROT; OB-RGRP; diabetes; obese-like
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Leptin receptor (OBR), also named B219, is a type I cytokine receptor family protein with significant amino acid sequence identity with gp130, G-CSF receptor, and the LIF receptor. Multiple isoforms of human and mouse OBR, including a long form (OBRL) with a large cytoplasmic domain capable of signal-transduction, and several receptor isoforms with short cytoplasmic domains (OBRS) lacking signal-transducing capabilities, have been identified.

## Database References Target

<b>Protein RefSeq:</b>	NP_666258.2
<b>Uniprot ID:</b>	P48356
<b>mRNA RefSeq:</b>	NM_146146.2

## Product Specifications

<b>Host</b>	Rat
<b>Reactivity against</b>	Mouse
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#9C29)
<b>Isotype</b>	IgG2
<b>Purification</b>	Protein G chromatography
<b>Antigen</b>	recombinant mouse Leptin R EC domain
<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 Leptin 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!**