

## Product datasheet for **DM3586P**

### Lepr Rat Monoclonal Antibody [Clone ID: 9C29]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	9C29
Applications:	WB
Recommended Dilution:	Western Blot: 1/500 - 1/1000.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2
Clonality:	Monoclonal
Immunogen:	Recombinant Leptin R extracellular domain.
Specificity:	This antibody detects Leptin receptor.
Formulation:	State: Purified State: Lyophilized purified Ig
Reconstitution Method:	Restore with 200 µl sterile PBS and the final concentration is 500µg/ml.
Purification:	Protein A/G affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -70°C. Following reconstitution store the antibody (in aliquots) at -20°C for 6 month. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	leptin receptor
Database Link:	<a href="#">Entrez Gene 16847 Mouse P48356</a>



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**Background:**

Leptin receptor (OB-R) is a type I cytokine receptor family protein with significant amino acid sequence identity with gp130, G-CSF receptor, and LIF receptor. An OB-R transcript encodes a soluble form of the receptor. The transcript was reported to be expressed predominantly in regions of the hypothalamus previously thought to be important in body weight regulation. OB-R binds leptin with high affinity and is a potent leptin antagonist. Human OB-R encodes a 1 165 amino acid residue precursor protein with a 22 amino acid residue signal peptide, an 816 amino acid residue extracellular domain, a 21 amino acid residue transmembrane domain and a 303 amino acid residue cytoplasmic domain.

**Synonyms:**

LEP-R, OB receptor, HuB219, LEPR, DB, OBR, OB-R