Mouse Anti-LEP Monoclonal Antibody

CAB-1758MH Mouse(LEP)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Mouse Anti-LEP Monoclonal Antibody
Antigen Description	This gene encodes a protein that is secreted by white adipocytes, and which plays a major role in the regulation of body weight. This protein, which acts through the leptin receptor, functions as part of a signaling pathway that can inhibit food intake and/or regulate energy expenditure to maintain constancy of the adipose mass. This protein also has several endocrine functions, and is involved in the regulation of immune and inflammatory responses, hematopoiesis, angiogenesis and wound healing. Mutations in this gene and/or its regulatory regions cause severe obesity, and morbid obesity with hypogonadism. This gene has also been linked to type 2 diabetes mellitus development.
specificity	Recognizes recombinant human Leptin and Leptin in human blood
Target	LEP
Immunogen	RecombinantLeptin
Host	Mouse
Isotype	IgG1
Source	Ascites
Species	Human
Clone	5G13
Purification	>90% pure (SDS-PAGE). Protein A Sepharose chromatography and gel-filtration.
conjugation	N/A
Applications	N/A

PACKAGING

Format	Purified, Liquid
Concentration	1mg/ml (Sigma protein assay kit)1mg/ml (Sigma protein assay kit)
Buffer	PBS, pH 7.4
Storage	Store at 2-8°C.
Preservative	0.1% Sodium azide
Warning	This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1 – 1.0 %. When disposing of this reagent through lead or opper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

ANTIGEN GENE INFORMATION

Gene Name	LEP leptin [Homo sapiens]
Official Symbol	LEP
Synonyms	LEP; leptin; leptin (murine obesity homolog) , leptin (obesity homolog, mouse) , OB, OBS; obese protein; obesity factor; obese, mouse, homolog of; leptin (murine obesity homolog); leptin (obesity homolog, mouse); OB; OBS; FLJ94114;

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GeneID	3952
mRNA Refseq	NM_000230
Protein Refseq	NP_000221
UniProt ID	P41159
Chromosome Location	7q31
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Developmental Biology, organism-specific biosystem; Diabetes pathways, organism-specific biosystem;
Function	growth factor activity; hormone activity; peptide hormone receptor binding;

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