



Leptin mouse mAb

Catalog No	YP-Ab-15856
Isotype	IgG
Reactivity	Human
Applications	ELISA
Gene Name	lep
Immunogen	Purified recombinant full length of human Leptin protein expressed in E.coli.
Specificity	This antibody detects human Leptin proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	ELISA 1:10000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Leptin;lep;FLJ94114;LEP_HUMAN;LEPD;Leptin (murine obesity homolog); Leptin (obesity homolog;mouse);Leptin Murine Obesity Homolog;Leptin Precursor Obesity Factor;OB;Obese Protein;Obese;mouse;homolog of;Obesity; Obesity factor;Obesity homolog mouse;Obesity Murine Homolog Leptin;OBS; OTTHUMP00000212285.
Observed Band	16kD
Calculated Molecular Weight	16kD
Cell Pathway	Secreted .
Tissue Specificity	Adipose tissue is the main source of leptin. It is also produced by other peripheral tissues such as the skeletal muscle (PubMed:7789654, PubMed:16052473, PubMed:12448771). Expressed by intercalated and striated tracts of submandibular and parotid salivary gland intralobular ducts (PubMed:12448771). Detected by fundic epithelium of the gastric mucosa (PubMed:10896907). Secreted into blood and gastric juice (PubMed:10896907).
Function	disease:Defects in LEP may be a cause of autosomal recessive obesity [MIM:601665].,function:May function as part of a signaling pathway that acts to regulate the size of the body fat depot. An increase in the level of LEP may act directly or indirectly on the CNS to inhibit food intake and/or regulate energy



expenditure as part of a homeostatic mechanism to maintain constancy of the adipose mass.,online information:Leptin entry,similarity:Belongs to the leptin family.,subunit:Interacts with SIGLEC6.,

Background

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. [provided by RefSeq, Jul 2008],

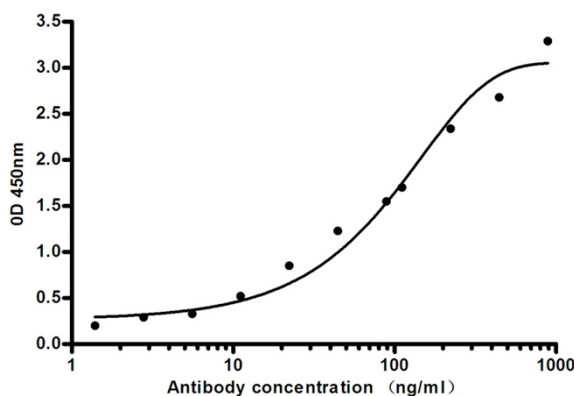
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Indirect ELISA assay for anti-Leptin mouse mAb.Antigen coating concentration: 4ug/ml.