

Mouse Leptin receptor ELISA Kit | LEPR elisa kit

Mouse Leptin receptor PicoKine ELISA Kit

CATALOG #
AAA45207

REACTIVITY
Mouse

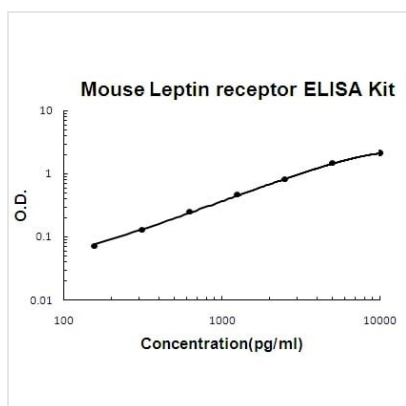
PRODUCT SYNONYMS

Leptin receptor; Mouse Leptin receptor PicoKine ELISA Kit; leptin receptor; CD295; HuB220; LEP-R; LEPR; LEPR_HUMAN; OB receptor; OB-R; OBR; LEPR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse Leptin receptor
Sequence Length	1162
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 5pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse Leptin receptor PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for LEPR elisa kit	Principle of the assay: mouse Leptin receptor ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for Leptin receptor has been precoated onto 96-well plates. Standards(NSO,L22-G839) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Leptin receptor is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the mouse Leptin receptor amount of sample captured in plate. Background: Leptin receptor (or Obese receptor, OBR) is a single membrane-spanning receptor most related to the gp130 signal-transducing component of the IL-6 receptor, the G-CSF receptor, and the LIF receptor. OB-R mRNA is expressed not only in choroid plexus, but also in several other tissues, including hypothalamus. Leptin acts through the leptin receptor, a single-transmembrane domain receptor of the cytokine-receptor family. Leptin controls energy balance and food intake through the leptin receptor in the hypothalamus of the brain, which suggests that some polymorphisms of the leptin receptor gene (LEPR) might contribute to obesity or obesity-related diseases. Leptin is also involved in the regulation of blood pressure through the leptin receptor.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1352612
NCBI GeneID	16847
UniProt Accession #	P48356; O35686; O54986; Q61215; Q64309; Q9QWG3; Q9QWV5
Molecular Weight	90,887 Da
NCBI Official Full Name	Leptin receptor
NCBI Official Synonym Full Names	leptin receptor
NCBI Official Symbol	Lepr
NCBI Official Synonym Symbols	db; Obr; obl; Leprb; Modb1; LEPROT; OB-RGRP; diabetes; obese-like
NCBI Protein Information	leptin receptor; B219; LEP-R; OB receptor; leptin receptor gene-related protein
UniProt Protein Name	Leptin receptor
UniProt Gene Name	Lepr
UniProt Synonym Gene Names	Db; Obr; LEP-R; OB-R
UniProt Entry Name	LEPR_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.