

Rat Leptin ELISA Kit | Leptin elisa kit

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CATALOG #
AAA16542

REACTIVITY
Rat

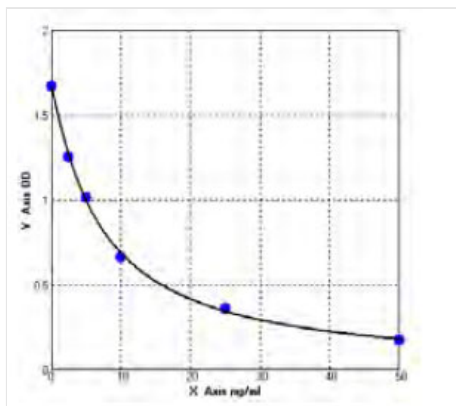
PRODUCT SYNONYMS

Leptin; Rat Leptin ELISA Kit; Leptin elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of LEP. No significant cross-reactivity or interference between LEP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LEP and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Leptin elisa kit	Intended Uses: This LEP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat LEP. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: LEP ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-LEP antibody and an LEP-HRP conjugate. The assay sample and buffer are incubated together with LEP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LEP concentration since LEP from samples and LEP-HRP conjugate compete for the anti-LEP antibody binding site. Since the number of sites is limited, as more sites are occupied by LEP from the sample, fewer sites are left to bind LEP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LEP concentration in each sample is interpolated from this standard curve.
Product Categories/Family for Leptin elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	148233267
NCBI GeneID	734226
NCBI Accession #	NP_001089183.1
NCBI GenBank Nucleotide #	NM_001095714.1
NCBI Official Full Name	leptin
NCBI Official Synonym Full Names	leptin<
NCBI Official Symbol	lep
NCBI Official Synonym Symbols	ob; xlep
NCBI Protein Information	leptin; obesity homolog

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.