

Rat LEP ELISA Kit | LEP elisa kit

Rat LEP (Leptin) ELISA Kit

CATALOG #
AAA163436

REACTIVITY
Rat

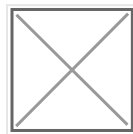
PRODUCT SYNONYMS

LEP; Rat LEP (Leptin) ELISA Kit; LEP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat LEP in samples. No significant cross-reactivity or interference between Rat LEP and analogues was observed.
Sequence Length	167
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.16-10ng/mL
Sensitivity	0.1ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat LEP were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat LEP were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LEP elisa kit

Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat LEP concentrations in serum, plasma and other biological fluids.

Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat LEP. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat LEP and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat LEP, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat LEP. You can calculate the concentration of Rat LEP in the samples by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	55741433
NCBI GeneID	396832
NCBI Accession #	NP_999005.1
NCBI GenBank Nucleotide #	NM_213840.1
UniProt Accession #	Q29406; O19095; Q95251
Molecular Weight	18,661 Da
NCBI Official Full Name	leptin
NCBI Official Symbol	LEP
NCBI Official Synonym Symbols	OB; OBS
NCBI Protein Information	leptin; obese; obesity factor
UniProt Protein Name	Leptin
UniProt Gene Name	LEP
UniProt Synonym Gene Names	OB; OBS
UniProt Entry Name	LEP_PIG

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.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/lep/163436>