

Human LEP (Leptin) CLIA Kit | LEP clia kit

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CATALOG #
AAA171277

REACTIVITY
Human

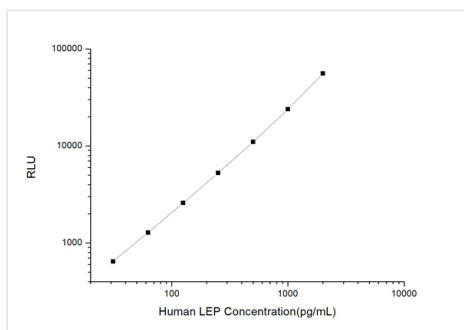
PRODUCT SYNONYMS

LEP (Leptin); Human LEP (Leptin) CLIA Kit; LEPD; OB; OBS; Obesity Homolog; LEP clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human LEP in samples. No significant cross-reactivity or interference between Human LEP and analogues was observed.
Sequence Length	167
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	18.75pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human 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 Human LEP were tested on 3 different plates, 20 replicates in each plate.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LEP clia kit	Intended Uses: This CLIA kit applies to the in vitro quantitative determination of Human LEP concentrations in serum, plasma and other biological fluids. Principle of the Assay: This CLIA kit uses the Sandwich- CLIA principle. The micro CLIA plate provided in this kit has been pre-coated with an antibody specific to Human LEP. Standards or samples are added to the micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human 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 Human LEP, biotinylated detection antibody and Avidin-HRP conjugate will appear fluorescence. The Relative light unit (RLU) value is measured by the Chemiluminescence immunoassay analyzer. The RLU value is positively associated with the concentration of Human LEP. You can calculate the concentration of Human LEP in the samples by comparing the RLU value of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557715
NCBI GeneID	3952
NCBI Accession #	NP_000221.1
NCBI GenBank Nucleotide #	NM_000230.2
UniProt Accession #	P41159; O15158; Q56A88
Molecular Weight	18,641 Da
NCBI Official Full Name	leptin
NCBI Official Synonym Full Names	leptin
NCBI Official Symbol	LEP
NCBI Official Synonym Symbols	OB; OBS; LEPD
NCBI Protein Information	leptin
UniProt Protein Name	Leptin
UniProt Gene Name	LEP
UniProt Synonym Gene Names	OB; OBS
UniProt Entry Name	LEP_HUMAN

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/human-clia-kits/lep-leptin/171277>