

Human Leptin ELISA Kit | LEP elisa kit

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CATALOG #
AAA281319

REACTIVITY
Human

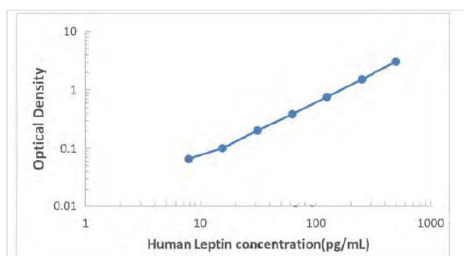
PRODUCT SYNONYMS

Leptin; Human Leptin ELISA Kit; LEP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LAMR1. No significant cross-reactivity or interference between LAMR1 and analogues was observed.
Sequence Length	167
Samples	Human Tissue Homogenates, Cell Lysates And Other Biological Fluids
Assay Type	Quantitative Sandwich
Sensitivity	23.5pg/mL
Intra-assay Precision	3 samples with low, middle and high level LAMR1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	3 samples with low, middle and high level LAMR1 were tested on 3 different plates, 8 replicates in each plate. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LEP elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. A monoclonal antibody specific for LAMR1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LAMR1 present is bound by the immobilized antibody. Following incubation unbound samples are removed during a wash step, and then a detection antibody specific for LAMR1 is added to the wells and binds to the combination of capture antibody-LAMR1 in sample. Following a wash to remove any unbound combination, and enzyme conjugate is added to the wells. Following incubation and wash steps, a substrate is added. A colored product TMB is formed in proportion to the amount of LAMR1 present in the sample. The reaction is terminated by addition of acid and absorbance is measured. A standard curve is prepared from seven LAMR1 standard dilutions and LAMR1 sample concentration determined.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557715
NCBI GeneID	3952
NCBI Accession #	NP_000221.1
NCBI GenBank Nucleotide #	NM_000230.3
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	OBImportedManual assertion inferred from database entriesHGNC:6553; OBSImportedManual assertion inferred from database entriesHGNC:6553

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://www.aaabiotech.com/lep-human-elisa-kits/leptin/281319>