

Human Leptin ELISA Kit | LEP elisa kit

Human Leptin ELISA Kit

CATALOG # AAA332555	REACTIVITY Human	APPLICATIONS ELISA
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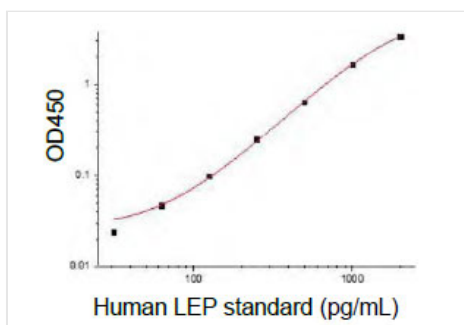
PRODUCT SYNONYMS

Leptin; Human Leptin ELISA Kit; FLJ94114; LEP; LEP_HUMAN; LEPD; Leptin Precursor Obesity Factor; OB; Obese protein; LEP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human LEP ELISA Kit has high sensitivity and excellent specificity for detection of Human LEP. No significant cross-reactivity or interference between Human LEP and analogues was observed.
Assay Type	Sandwich
Samples	Serum, Plasma, Cell culture supernatants
Detection Range	31.25 pg/mL-2,000 pg/mL
Sensitivity	16 pg/mL
Applicable Applications for LEP elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision: The CV (%)?10%.
Inter-assay Precision	Inter-assay Precision :The CV (%)?12%
Preparation and Storage	The unopened kit should be stored at 2 - 8 degree C. After opening, please store refer to protocols.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LEP elisa kit	Principle of the Assay: Leptin gene encodes a protein that is secreted by white adipocytes into the circulation and plays a major role in the regulation of energy homeostasis. Circulating leptin binds to the leptin receptor in the brain, which activates downstream signaling pathways that inhibit feeding and promote energy expenditure. Human Leptin ELISA Kit employs a double antibody sandwich method to quantitate Human LEP in samples. An antibody specific for Human LEP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Human LEP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Human LEP is added to the wells. After washing, proprietary Streptavidin-HRP conjugates is added to the wells. Following a wash to remove any unbound streptavidin-enzyme reagent, adding HRP Substrate (TMB), TMB turns blue under the catalysis of HRP, and turns yellow after adding stop solution. Measure the OD value with a microplate reader at 450nm wavelength. The LEP concentration is proportional to the OD450 nm value.
Product Categories/Family for LEP elisa kit	ELISA Assay Kit; Protein

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; obese protein; obesity factor; obese, mouse, homolog of; leptin (murine obesity homolog); leptin (obesity homolog, mouse)
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-elisa-kits/leptin/332555>