

Human Leptin ELISA Kit | Leptin elisa kit

Human Leptin ELISA Kit

CATALOG #
AAA16378

REACTIVITY
Human

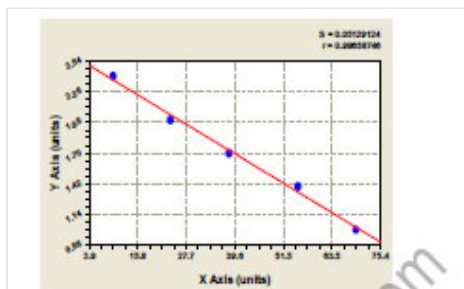
PRODUCT SYNONYMS

Leptin; Human Leptin ELISA Kit; Leptin elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250- 5000pg/mL
Sensitivity	1.0pg/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 Leptin-Ab ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Leptin-Ab. This ELISA kit for research use only!

Principle of the Assay: Leptin-Ab ELISA kit applies the competitive enzyme immunoassay technique utilizing a Leptin antigen and an Leptin-Ab-HRP conjugate. The assay sample and buffer are incubated together with Leptin-Ab-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 Leptin-Ab concentration since Leptin-Ab from samples and Leptin-Ab-HRP conjugate compete for the Leptin antigen binding site. Since the number of sites is limited, as more sites are occupied by Leptin-Ab from the sample, fewer sites are left to bind Leptin-Ab-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Leptin-Ab 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/leptin/16378>