



Human Leptin / Obese protein / Obesity factor ELISA Kit (2 plates)

Catalogue No.:	BEK-2057-2P
Description:	The human Leptin Kit is a sandwich ELISA. The capture antibody is a monoclonal human Leptin antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known Leptin concentration are added to these wells and allowed to complex with the bound Leptin antibody. A biotinylated anti-Leptin antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of Leptin present in the samples. The purpose of this kit is the in-vitro quantitative detection of human leptin in cell culture supernatants, serum, and heparin or EDTA treated plasma samples only when used as directed. Not recommended for tissue lysate detection of leptin.
Batch No.:	See product labels
Antigen:	The standard used in this kit is recombinant human Leptin, amino acids 22-167 produced in and purified from E. coli.
Sequence:	P41159 22-167 VPIQKVQDDTKTLIKTIVTRINDISHTQSVSSKQKVTGLDFIPGLHPILTLSKMDQTLAVYQQILTS MPSRNVIQISNDLENLRDLLHVLAFFSKSCHLPWASGLETDSLGGVLEASGYSTEVVALSRLQ GSLQDMLWQLDLSPGC
Other Names:	Leptin; Obesity factor; Lep; Ob; Obese protein;
Accession:	P41159 LEP_HUMAN;
Specificity:	Human Leptin
Cross-reactivity:	Mouse and rat leptin sequences show >80% amino acid identity with human leptin but direct cross reactivity to rodent or non-human species leptin's with this kit has yet to be tested.
Storage:	Store at 4°C
Kit components:	The ELISA kit box contains 2 x 96-well pre-coated strip plates, protein standards, detection reagents, substrate buffer and detailed protocols.
Range:	62.5 pg/ml - 4,000 pg/ml
Sensitivity:	< 10 pg/ml
Kit protocol:	Please refer to our online product listing for current protocol/MSDS versions.

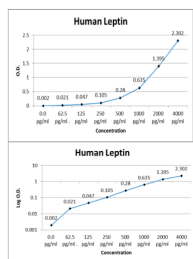
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Concentration pg/ml	0.0	62.5 pg/ml	125 pg/ml	250 pg/ml	500 pg/ml	1000 pg/ml	2000 pg/ml	4000 pg/ml
O.D.	0.002	0.021	0.047	0.106	0.280	0.635	1.395	2.302

This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.



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