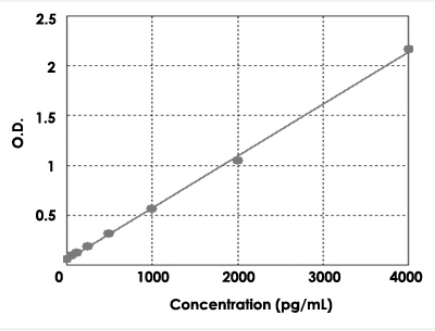
LEP (Human) ELISA Kit

Catalog # KA3080 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	LEP (Human) ELISA Kit is intended for the quantitative measurement of human LEP.
Suitable Sample	Body Fluid, Cell Culture Supernate, Plasma, Serum, Tissue Lysate
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	62.5 to 4000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard Curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at 4°C for 4 months, or at -20°C for 8 months.

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Applications

- Quantification

Gene Info — LEP

Entrez GeneID	3952
Gene Name	LEP
Gene Alias	FLJ94114, OB, OBS
Gene Description	leptin
Omim ID	164160
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that is secreted by white adipocytes, and which plays a major role in the regulation of body weight. This protein, which acts through the leptin receptor, functions as part of a signaling pathway that can inhibit food intake and/or regulate energy expenditure to maintain constancy of the adipose mass. This protein also has several endocrine functions, and is involved in the regulation of immune and inflammatory responses, hematopoiesis, angiogenesis and wound healing. Mutations in this gene and/or its regulatory regions cause severe obesity, and morbid obesity with hypogonadism. This gene has also been linked to type 2 diabetes mellitus development. [provided by RefSeq
Other Designations	leptin (murine obesity homolog)|leptin (obesity homolog, mouse)|obese, mouse, homolog of|obesity factor

Publication Reference

- Changes in salivary biomarkers of pain, anxiety, stress, and inflammation related to tooth movement during orthodontic treatment: a systematic review.

  Rodrigo Rodrigues, Caio Melo Mesquita, Helena Benatt do Nascimento Alves, Filipe Gontijo Silva, Walbert de Andrade Vieira, Paula Cristiana Santos de Aguiar, Carlos Flores-Mir, Luiz Renato Paranhos, Rui Barbosa de Brito Junior

  Dental Press J Orthod 2024 Dec; 29(6):e242436.

Pathway

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- Adipocytokine signaling pathway
- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway
- Neuroactive ligand-receptor interaction

Disease

- Adenocarcinoma
- Albuminuria
- Amyotrophic lateral sclerosis
- Anorexia Nervosa
- Anoxia
- Asthma
- Atherosclerosis
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Behcet Syndrome
- Birth Weight
- Body Weight
- Breast cancer
- Breast Neoplasms
- Bulimia
- Carcinoma
- Cardiovascular Diseases
- Chorioamnionitis
- Chronic Disease
- Colon cancer

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- Colonic Neoplasms
- Colorectal Neoplasms
- Coronary Restenosis
- Cues
- Depressive Disorder
- Diabetes Mellitus
- Disease Models
- Disease Progression
- Diseases in Twins
- Dyslipidemias
- Edema
- Endometrial Neoplasms
- Esophageal Neoplasms
- Fatty Liver
- Fetal Membranes
- Fetal Weight
- Genetic Predisposition to Disease
- HELLP Syndrome
- Hepatitis
- Hypertension
- Inflammation
- Insulin Resistance
- Kidney Diseases
- Kidney Failure
- Lung Neoplasms
- Lymphoma

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- Mental Disorders
- Metabolic Syndrome X
- Microsatellite Instability
- Mouth Neoplasms
- Multiple Sclerosis
- NARP
- Neovascularization
- Obesity
- Obstetric Labor
- Osteoporosis
- Ovarian Failure
- Polycystic Ovary Syndrome
- Pre-Eclampsia
- Pregnancy Complications
- Pregnancy in Diabetics
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Psoriasis
- Puberty
- Pulmonary Disease
- Satiety Response
- Schizophrenia
- Sleep Apnea
- Taste
- Thinness

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- Thrombophilia
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Uterine Neoplasms
- Weight Gain
- Weight Loss
- Werner syndrome

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