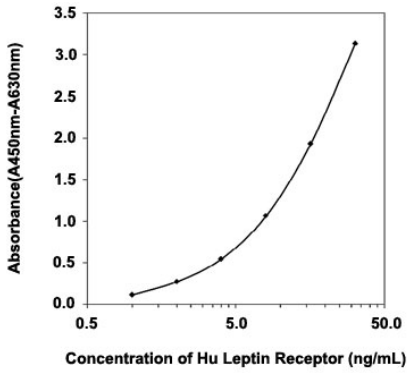
# LEPR (Human) ELISA Kit

Catalog # KA0027 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** | LEPR (Human) ELISA Kit is a double monoclonal sandwich enzyme immunoassay for the quantitative measurement of human Leptin receptor in serum, plasma and tissue culture medium. |
| **Suitable Sample** | Plasma (EDTA, Heparin), Serum |
| **Sample Volume** | 100 uL |
| **Label** | HRP-conjugate |
| **Detection Method** | Colorimetric |
| **Assay Type** | Quantitative |
| **Calibration Range** | 1 to 32 ng/mL |
| **Limit of Detection** | 0.05 ng/mL |
| **Reactivity** | Human |
| **Regulation Status** | For research use only (RUO) |

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| | |
|---|---|
| **Quality Control Testing** | Standard curve<br>The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed. |
| **Storage Instruction** | Store the kit at 4°C. |

## Applications

- Quantification

## Gene Info — LEPR

| | |
|---|---|
| **Entrez GeneID** | 3953 |
| **Gene Name** | LEPR |
| **Gene Alias** | CD295, OBR |
| **Gene Description** | leptin receptor |
| **Omim ID** | 601007 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | Leptin (LEP; MIM 164160), an adipocyte-specific hormone that regulates adipose-tissue mass th rough hypothalamic effects on satiety and energy expenditure, acts through the leptin receptor (LE PR), a single-transmembrane-domain receptor of the cytokine receptor family.[supplied by OMIM |
| **Other Designations** | OB receptor\|OTTHUMP00000010693\|OTTHUMP00000010694 |

## Pathway

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

## Disease

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- Adenocarcinoma
- Adenoma
- Albuminuria
- Alzheimer disease
- Anorexia Nervosa
- Asthma
- Atherosclerosis
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Birth Weight
- Body Weight
- Breast cancer
- Breast Diseases
- Breast Neoplasms
- Bulimia
- Carcinoma
- Cardiovascular Diseases
- Cerebrovascular Disorders
- Chronic Disease
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Coronary Disease
- Cues

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- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Diseases in Twins
- Drug Toxicity
- Edema
- Endometrial Neoplasms
- Esophageal Neoplasms
- Fatty Liver
- Fetal Weight
- Gallstones
- Genetic Predisposition to Disease
- Glucose Intolerance
- Glucose Metabolism Disorders
- HELLP Syndrome
- Hepatitis
- Hepatitis C
- Hypercholesterolemia
- Hyperinsulinism
- Hyperlipidemias
- Hyperphagia
- Hypertension
- Hypogonadism
- Immunologic Deficiency Syndromes
- Inflammation
- Insulin Resistance

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- Kidney Failure
- Leukemia
- Lung Neoplasms
- Lymphoma
- Mental Disorders
- Metabolic Diseases
- Metabolic Syndrome X
- Metabolism
- Microsatellite Instability
- Mouth Neoplasms
- NARP
- Neoplasms
- Neovascularization
- Obesity
- Ossification of Posterior Longitudinal Ligament
- Osteoporosis
- Ovarian Failure
- Overweight
- Peripheral Vascular Diseases
- Polycystic Ovary Syndrome
- Postoperative Complications
- Precancerous Conditions
- Pre-Eclampsia
- Pregnancy in Diabetics
- Prostate cancer

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- Prostatic Neoplasms
- Puberty
- Pulmonary Disease
- Satiety Response
- Schizophrenia
- Sleep Apnea
- Spinal Dysraphism
- Spinal Fractures
- Taste
- Thinness
- Thrombophilia
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Weight Gain
- Weight Loss
- Werner syndrome

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