

ARG80126 Human Leptin ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG80126-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG80126-002	Standard (Lyophilized)	3 X 2 ng/vial	4°C
ARG80126-003	Standard diluent buffer	20 ml	4°C
ARG80126-004	Antibody conjugate concentrate	400 µl	4°C
ARG80126-005	Antibody diluent buffer	16 ml	4°C
ARG80126-006	HRP-Streptavidin concentrate	400 µl	4°C (Protect from light)
ARG80126-007	HRP-Streptavidin diluent buffer	16 ml	4°C
ARG80126-008	20X Wash buffer	50 ml	4°C
ARG80126-009	TMB substrate	12ml	4°C (Protect from light)
ARG80126-010	STOP solution	12ml	4°C
ARG80126-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG80126 Human Leptin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Leptin in Serum, Plasma, Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Leptin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	15 pg/ml
Sample Type	Serum, Plasma, Cell culture supernatants
Standard Range	31.25 - 2000 pg/ml
Sample Volume	100 µl
Precision	CV:

Alternate Names	Leptin; Obese protein; OB; LEPD; Obesity factor; OBS
-----------------	--

Application Instructions

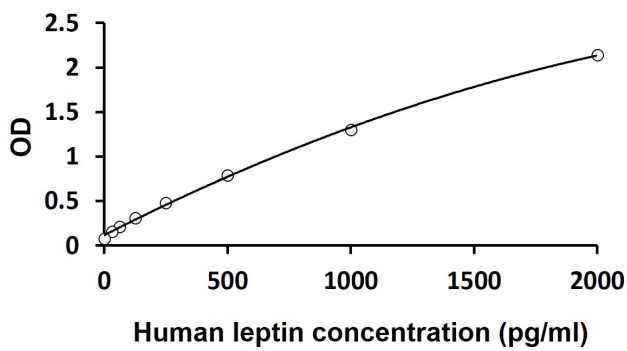
Assay Time	4 hours
------------	---------

Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LEP
Gene Full Name	leptin
Background	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, Jul 2008]
Function	May function as part of a signaling pathway that acts to regulate the size of the body fat depot. An increase in the level of LEP may act directly or indirectly on the CNS to inhibit food intake and/or regulate energy expenditure as part of a homeostatic mechanism to maintain constancy of the adipose mass. [UniProt]
Highlight	Related products: Leptin antibodies ; Leptin ELISA Kits ; Related news: Treatment of Obesity with Celastrol Has "Obesity gene" been found? A new role of fat – factory of circulating miRNAs
Research Area	Cell Biology and Cellular Response kit; Developmental Biology kit; Metabolism kit; Neuroscience kit; Signaling Transduction kit



ARG80126 Human Leptin ELISA Kit standard curve image

ARG80126 Human Leptin ELISA Kit results of a typical standard run with optical density reading at 450 nm.