

## ARG82899 Monkey Leptin ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG82899 Monkey Leptin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Monkey Leptin in Serum and plasma.
Tested Reactivity	Mk
Tested Application	ELISA
Specificity	Not react with following recombinant Monkey proteins: Adiponectin, ApoAI, BMP1, BMP2, BMP3, BMP4, BMP5, BMP7, CCL2, CCL4, CCL5, CRP, HSP27, HGF, IL-1 beta, IL-1RA, IL-2, IL-4, IL-5, IL-6, sIL-6R, IL-8, IL-10, IL-12, IL-15, IL-17C, IL-21, IL-23, IFN $\gamma$ , MMP-2, MMP-9, IL2R, PDGF, serpin E1, TGF $\beta$ 1, TGF $\beta$ 2, TGF $\beta$ 3, TLR1, TLR2, TLR3, TLR9, TNF- $\alpha$ , TNF RI, TNF RII, VEGF, VEGF R1.
Target Name	Leptin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	13 pg/ml
Sample Type	Serum and plasma
Standard Range	25 - 1600 pg/ml
Sample Volume	100 $\mu$ l
Precision	Intra-Assay CV: 7% Inter-Assay CV: 10%
Alternate Names	Leptin; Obese protein; OB; LEPD; Obesity factor; OBS

### Application Instructions

Assay Time	~ 3 hours
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### 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]

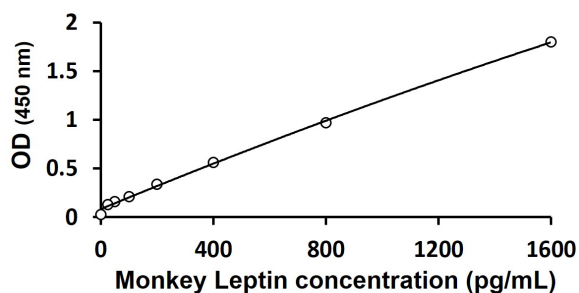
**Function** May function as part of a signaling pathway that acts to regulate the size of the body fat depot. An increase in the level of LEP may act directly or indirectly on the CNS to inhibit food intake and/or regulate energy expenditure as part of a homeostatic mechanism to maintain constancy of the adipose mass. [UniProt]

**Highlight** Related products:  
[Leptin antibodies](#); [Leptin ELISA Kits](#);  
New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

**Research Area** Cell Biology and Cellular Response kit; Developmental Biology kit; Metabolism kit; Neuroscience kit; Signaling Transduction kit

## Images

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ARG82899 Monkey Leptin ELISA Kit standard curve image

ARG82899 Monkey Leptin ELISA Kit results of a typical standard run with optical density reading at 450 nm.

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