

## Human Leptin ELISA Kit

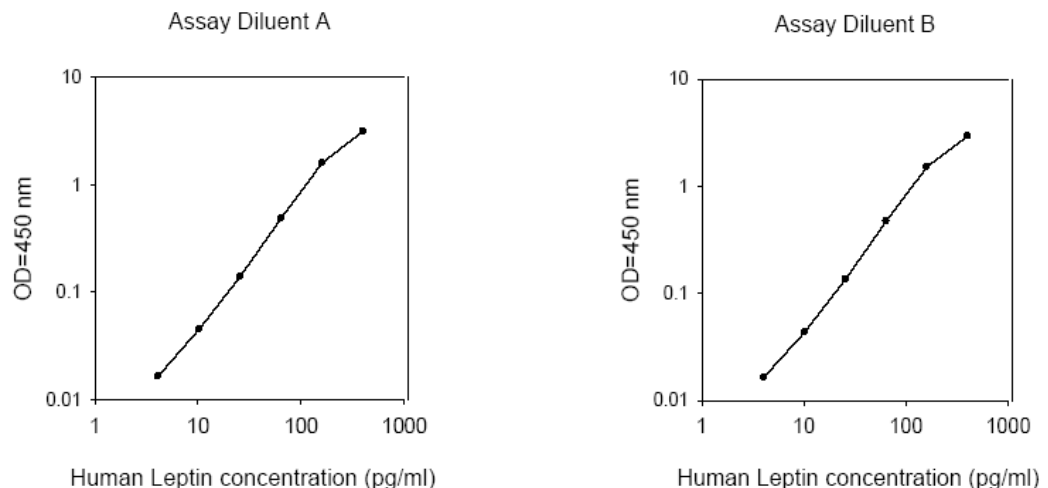
**Catalog No.** CK410

**Quantity:** 1 x 96 tests

**Description** This assay employs an antibody specific for human Leptin coated on a 96-well plate. Standards and samples are pipetted into the wells and Leptin present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-human Leptin antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Leptin bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

**Application** The Cell Sciences Human Leptin ELISA (Enzyme-Linked Immunosorbent Assay) kit is an *in vitro* enzyme-linked immunosorbent assay for the quantitative measurement of human Leptin in serum, plasma, cell culture supernatants and urine.

**Typical Data**



**Sensitivity** The minimum detectable dose of Leptin is typically less than 6 pg/ml.

**Recovery** Determined by spiking various levels of human Leptin into human serum, plasma, and cell culture media. Mean recoveries are as follows:

Sample Type	Average % Recovery	Range (%)
Serum	94.49	83-103
Plasma	93.85	82-102
Cell culture media	95.42	84-104



**Linearity**

Sample Type		Serum	Plasma	Cell culture media
1:2	Avg. % of Expected Range (%)	92 82-102	91 81-101	93 83-103
1:4	Avg. % of Expected Range (%)	94 83-103	95 82-102	92 83-102
1:8	Avg. % of Expected Range (%)	93 83-103	96 84-104	95 84-104

**Reproducibility** Intra-Assay: CV < 10%  
Inter-Assay: CV < 12%

**Storage and Stability**

- Product can be stored for up to 5 months from date of receipt at 2-4°C.
- Standard (recombinant protein) should be stored at -20°C or -80°C after reconstitution.
- Opened Microplate Wells and reagents can be stored for up to one month at 2-4°C.

**NOT FOR HUMAN USE. FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

