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Datasheet for ABIN6720133
Leptin Receptor ELISA Kit

1 Image

Overview

| | |
|--------------------------|-------------------------|
| Quantity: | 1 kit |
| Target: | Leptin Receptor (LEPR) |
| Reactivity: | Mouse |
| Method Type: | Sandwich ELISA |
| Detection Range: | 156 pg/mL - 10000 pg/mL |
| Minimum Detection Limit: | 156 pg/mL |
| Application: | ELISA |

Product Details

| | |
|--------------------|---|
| Purpose: | Sandwich ELISA for Quantitative Detection of Antigen |
| Sample Type: | Cell Culture Supernatant, Plasma (EDTA - heparin), Serum |
| Analytical Method: | Quantitative |
| Detection Method: | Colorimetric |
| Characteristics: | <p>Synonyms: CD295, HuB220, LEP-R, LEPR, LEPR_HUMAN, Leptin receptor, OB receptor, OB-R, OBR</p> <p>Background: Leptin receptor(or Obese receptor, OBR) is a single membrane-spanning receptor most related to the gp130 signal-transducing component of the IL-6 receptor, the G-CSF receptor, and the LIF receptor. OB-R mRNA is expressed not only in choroid plexus, but also in several other tissues, including hypothalamus. Leptin acts through the leptin receptor, a single-transmembrane domain receptor of the cytokine-receptor family. Leptin controls energy balance and food intake through the leptin receptor in the hypothalamus of the brain, which</p> |

Product Details

suggests that some polymorphisms of the leptin receptor gene(LEPR) might contribute to obesity or obesity-related diseases. Leptin is also involved in the regulation of blood pressure through the leptin receptor.

Gene Name: LEPR

Production: Natural and recombinant mouse Leptin receptor. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: L22-G839

Target Details

Target: Leptin Receptor (LEPR)

Alternative Name: Leptin receptor ([LEPR Products](#))

Gene ID: 16847

NCBI Accession: [NP_001116371](#)

UniProt: [P48356](#)

Pathways: [JAK-STAT Signaling](#), [AMPK Signaling](#), [Feeding Behaviour](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL mouse Leptin receptor standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse Leptin receptor standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

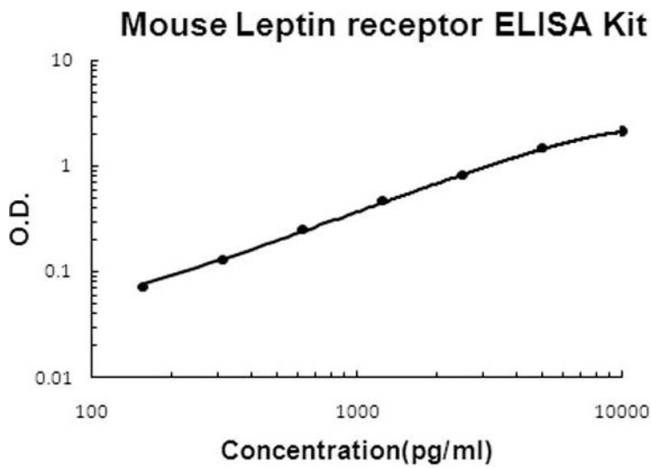
Handling

Storage: RT,4 °C,-20 °C

Handling

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Mouse Leptin receptor Accusignal ELISA Kit
Mouse Leptin receptor AccuSignal ELISA Kit standard curve.
Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <5pg/ml.