

Monkey Leptin receptor (LEPR) ELISA Kit | LEPR elisa kit

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CATALOG #
AAA246034

REACTIVITY
Monkey

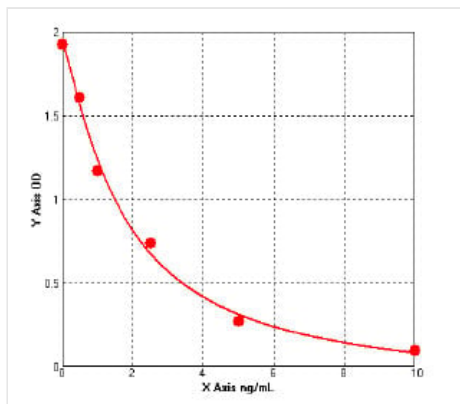
PRODUCT SYNONYMS

Leptin receptor (LEPR); Monkey Leptin receptor (LEPR) ELISA Kit; LEPR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Specificity	This assay has high sensitivity and excellent specificity for detection of LEPR. No significant cross-reactivity or interference between LEPR and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between LEPR and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LEPR elisa kit	Intended Uses: This LEPR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of MonkeyLEPR. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: LEPR ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-LEPR antibody and an LEPR-HRP conjugate. The assay sample and buffer are incubated together with LEPR-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the LEPR concentration since LEPR from samples and LEPR-HRP conjugate compete for the anti-LEPR antibody binding site. Since the number of sites is limited, as more sites are occupied by LEPR from the sample, fewer sites are left to bind LEPR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LEPR concentration in each sample is interpolated from this standard curve.
Product Categories/Family for LEPR elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	116242617
NCBI GeneID	3953
Molecular Weight	96,042 Da
NCBI Official Full Name	Leptin receptor
NCBI Official Synonym Full Names	leptin receptor
NCBI Official Symbol	LEPR
NCBI Official Synonym Symbols	OBR; OB-R; CD295; LEP-R; LEPRD
NCBI Protein Information	leptin receptor; huB219; OB receptor
UniProt Protein Name	Leptin receptor
UniProt Gene Name	LEPR
UniProt Synonym Gene Names	DB; OBR; LEP-R; OB-R
UniProt Entry Name	LEPR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.