

Human Leptin receptor ELISA Kit | LR/Ob R elisa kit

Human Leptin receptor ELISA Kit

CATALOG #
AAA82273

REACTIVITY
Human

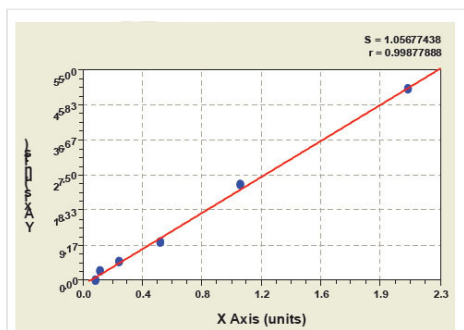
PRODUCT SYNONYMS

Leptin receptor; Human Leptin receptor ELISA Kit; LR/Ob R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Highest Standards	50ng/mL
Concentration of Standards	Concentration of Standards
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LR/Ob R elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This LR/Ob-R ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human LR/Ob-R. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY LR/Ob-R ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for LR/Ob-R. Standards or samples are then added to the microtiter plate wells and LR/Ob-R if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of LR/Ob-R present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for LR/Ob-R are added to each well to "sandwich" the LR/Ob-R immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain LR/Ob-R and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LR/Ob-R concentration in each sample is interpolated from this standard curve.
Product Categories/Family for LR/Ob R elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	3236286
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.