

Rabbit Leptin receptor ELISA Kit | LR/Ob-R elisa kit

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CATALOG #
AAA86051

REACTIVITY
Rabbit

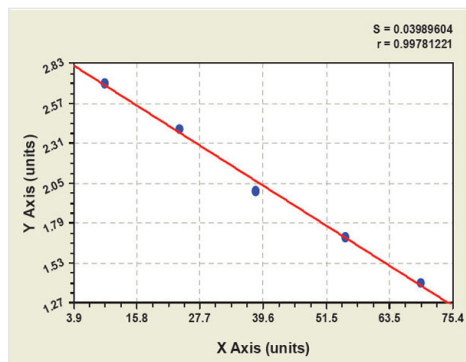
PRODUCT SYNONYMS

Leptin receptor; Rabbit Leptin receptor ELISA Kit; LR/Ob-R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This LR/OB-R ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit LR/OB-R. This ELISA kit for research use only, not for therapeutic applications!
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

Principle of the assay: LR/OB-R ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LR/OB-R antibody and an LR/OB-R-HRP conjugate. The assay sample and buffer are incubated together with LR/OB-R-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 LR/OB-R concentration since LR/OB-R from samples and LR/OB-R-HRP conjugate compete for the anti-LR/OB-R antibody binding site. Since the number of sites is limited, as more sites are occupied by LR/OB-R from the sample, fewer sites are left to bind LR/OB-R-HRP conjugate. 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.

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.

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Online datasheet: <https://stage.aaabiotech.com/lr-ob-r-rabbit-elisa-kits/leptin-receptor/86051>