

Human CD295 ELISA Kit | LEPR elisa kit

Human CD295 ELISA Kit

CATALOG # AAA105978	REACTIVITY Human	APPLICATIONS ELISA
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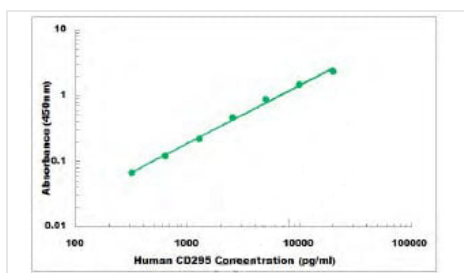
PRODUCT SYNONYMS

CD295; Human CD295 ELISA Kit; DB; OBR; Leptin receptor; LEP-R; HuB219; OB receptor; OB-R; LEPR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human CD295 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human CD295 proteins within the range of 312 pg/ml - 20000 pg/ml.
Sequence Length	896
Samples	Serum, plasma
Sensitivity	Typically less than 20 pg/ml.
Applicable Applications for LEPR elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LEPR elisa kit	Principle of the Assay: Human CD295 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human CD295 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human CD295 coated on a 96-well plate. Standards and samples are pipetted into the wells and CD295 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human CD295 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 CD295 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: 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 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51093379
NCBI GeneID	3953
NCBI Accession #	NP_001003679.1
NCBI GenBank Nucleotide #	NM_001003679.3
UniProt Accession #	P48357; Q13592; Q13593; Q13594; Q92919; Q92920; Q92921
Molecular Weight	96,042 Da
NCBI Official Full Name	leptin receptor isoform 3
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/lepr-human-elisa-kits/cd295/105978>