

Human LYPD3 ELISA Kit | LYPD3 elisa kit

Human LYPD3 PicoKine ELISA Kit

CATALOG #
AAA125067

REACTIVITY
Human

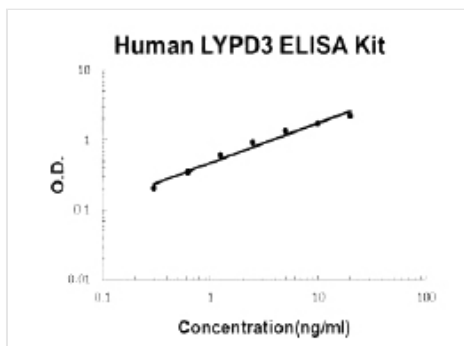
PRODUCT SYNONYMS

LYPD3; Human LYPD3 PicoKine ELISA Kit; Human LYPD3; LYPD3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human LYPD3
Sequence Length	346
Samples	Cell Culture Supernates, Cell Lysates, Serum And Plasma (Heparin, Edta)
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LYPD3 elisa kit	Principle of the Assay: The Picokine Human LEP Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human LEP with a 96-well strip plate that is pre-coated with antibody specific for LEP. The detection antibody is a biotinylated antibody specific for LEP. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human LEP with immunogen: Expression system for standard: E.coli; Immunogen sequence: V22-C167. The kit is analytically validated with ready to use reagents. To measure Human LEP, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human LEP in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human LEP in the sample!!Background/Introduction: Leptin(or obese, OB) is a circulating hormone that is expressed abundantly and specifically in the adipose tissue. Human ob protein is a 166-amino acid polypeptide with a putative signal sequence and is 84 and 83% homologous to the mouse and rat ob proteins, respectively. Northern blot analysis reveals that OB RNA is present at a high level in adipose tissue but at much lower levels in placenta and heart. Indeed, Leptin is first described as an adipocyte-derived signalling factor, which, after interaction with its receptors, induces a complex response including control of bodyweight and energy expenditure. Leptin seems in addition to its role in metabolic control to have important roles in reproduction and neuroendocrine signalling. Leptin is a powerful inhibitor of bone formation in vivo. Comparative mapping of mouse and human DNA indicates that the ob gene is located within a region of mouse chromosome 6 that is homologous to a portion of human chromosome 7q. The standard product used in this kit is recombinant human Leptin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	93004088
NCBI GeneID	27076
NCBI Accession #	NP_055215.2
NCBI GenBank Nucleotide #	NM_014400.3
UniProt Accession #	O95274
NCBI Official Full Name	ly6/PLAUR domain-containing protein 3
NCBI Official Synonym Full Names	LY6/PLAUR domain containing 3
NCBI Official Symbol	LYPD3
NCBI Official Synonym Symbols	C4.4A
NCBI Protein Information	ly6/PLAUR domain-containing protein 3

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.