

Human Periplakin (PPL) ELISA Kit | PPL elisa kit

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CATALOG #
AAA66103

REACTIVITY
Human

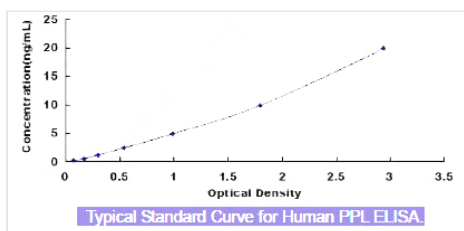
PRODUCT SYNONYMS

Periplakin (PPL); Human Periplakin (PPL) ELISA Kit; 190 kDa paraneoplastic pemphigus antigen; 195 kDa cornified envelope precursor protein; PPL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PPARgC1a. No significant cross-reactivity or interference between PPARgC1a and analogues was observed.
Sequence Length	1756
Samples	Rat Tissue Homogenates, Cell Lysates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PPARgC1a were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PPARgC1a were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PPL elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PPARgC1a in rat tissue homogenates, cell lysates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PPARgC1a. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PPARgC1a. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PPARgC1a, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PPARgC1a in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	45439327
NCBI GeneID	5493
NCBI Accession #	NP_002696.3
NCBI GenBank Nucleotide #	NM_002705.4
UniProt Accession #	O60437; O60314; O60454; Q14C98
Molecular Weight	204,747 Da
NCBI Official Full Name	periplakin
NCBI Official Synonym Full Names	periplakin
NCBI Official Symbol	PPL
NCBI Protein Information	periplakin
UniProt Protein Name	Periplakin
UniProt Gene Name	PPL
UniProt Synonym Gene Names	KIAA0568

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.