

Human Periplakin (PPL) ELISA Kit | PPL elisa kit

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CATALOG #
AAA138365

REACTIVITY
Human

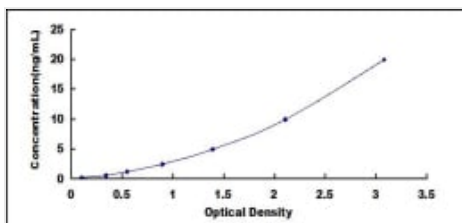
PRODUCT SYNONYMS

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 Periplakin (PPL). No significant cross-reactivity or interference between Periplakin (PPL) and analogues was observed.
Sequence Length	1,756
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.121ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Periplakin (PPL) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Periplakin (PPL) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PPL elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Periplakin (PPL). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Periplakin (PPL). 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 Periplakin (PPL), 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 Periplakin (PPL) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PPL elisa kit	Metabolic pathway

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
UniProt Entry Name	PEPL_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/human-elisa-kits/periplakin-ppl/138365>