

Human Phospholipase B (PLB) ELISA Kit | PLB elisa kit

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CATALOG #
AAA64734

REACTIVITY
Human

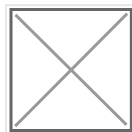
PRODUCT SYNONYMS

Phospholipase B (PLB); Human Phospholipase B (PLB) ELISA Kit; High mobility group AT-hook protein 1; High mobility group protein A1; High mobility group protein HMG-I/HMG-Y; High mobility group protein R; HMG-I(Y); HMG1Y; PLB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PLB. No significant cross-reactivity or interference between PLB and analogues was observed.
Sequence Length	1447
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.113ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PLB 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 PLB 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 PLB elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PLB in human tissue homogenates and other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PLB. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PLB. 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 PLB, 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 PLB in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	283436114
NCBI GeneID	151056
NCBI Accession #	NP_001164056.1
NCBI GenBank Nucleotide #	NM_001170585.1
UniProt Accession #	Q6P1J6; Q53S03; Q8IUP7; Q96DP9; A8KAX2
Molecular Weight	47,341 Da
NCBI Official Full Name	phospholipase B1, membrane-associated isoform 2
NCBI Official Synonym Full Names	phospholipase B1
NCBI Official Symbol	PLB1
NCBI Official Synonym Symbols	PLB; PLB/LIP
NCBI Protein Information	phospholipase B1, membrane-associated
UniProt Protein Name	Phospholipase B1, membrane-associated
UniProt Gene Name	PLB1
UniProt Synonym Gene Names	PLB; Phospholipase B; hPLB; PLB/LIP

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/human-elisa-kits/phospholipase-b-plb/64734>