

Human Prohibitin (PHB) ELISA Kit | PHB elisa kit

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CATALOG #
AAA65381

REACTIVITY
Human

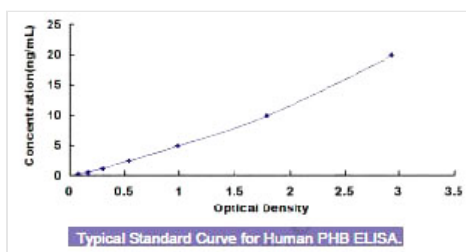
PRODUCT SYNONYMS

Prohibitin (PHB); Human Prohibitin (PHB) ELISA Kit; B4 integrin interactor; CAB; EIF3A; eIF-6; ITGB4BP; PHB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PHB. No significant cross-reactivity or interference between PHB and analogues was observed.
Sequence Length	272
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.122ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PHB 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 PHB 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 PHB elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PHB in human serum, plasma, 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 PHB. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PHB. 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 PHB, 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 PHB 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 #	527498279
NCBI GeneID	5245
NCBI Accession #	NP_001268425.1
NCBI GenBank Nucleotide #	NM_001281496.1
UniProt Accession #	P35232; Q4VBQ0; B4DY47
Molecular Weight	17,018 Da
NCBI Official Full Name	prohibitin isoform 1
NCBI Official Synonym Full Names	prohibitin
NCBI Official Symbol	PHB
NCBI Official Synonym Symbols	PHB1; HEL-215; HEL-S-54e
NCBI Protein Information	prohibitin
UniProt Protein Name	Prohibitin
UniProt Gene Name	PHB

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.