

Human Prohibitin ELISA Kit | PHB elisa kit

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CATALOG #
AAA16453

REACTIVITY
Human

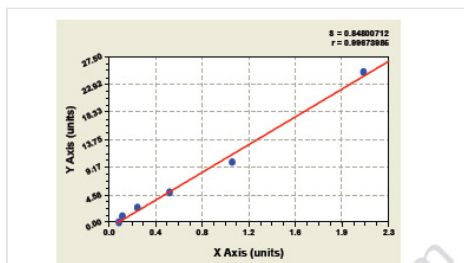
PRODUCT SYNONYMS

Prohibitin; Human Prohibitin ELISA Kit; PHB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PHB elisa kit

Intended Uses: This PHB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PHB. This ELISA kit for research use only!

Principle of the Assay: PHB ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PHB antibody and an PHB-HRP conjugate. The assay sample and buffer are incubated together with PHB-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PHB concentration since PHB from samples and PHB-HRP conjugate compete for the anti-PHB antibody binding site. Since the number of sites is limited, as more sites are occupied by PHB from the sample, fewer sites are left to bind PHB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PHB concentration in each sample is interpolated from this standard curve.

Product Categories/Family for PHB elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	170678768
Molecular Weight	8,668 Da
NCBI Official Full Name	PHB, partial
UniProt Protein Name	PHB
UniProt Gene Name	PHB
UniProt Entry Name	B2CUV8_ARATH

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/phb-human-elisa-kits/prohibitin/16453>