

Canine Prohibitin ELISA Kit | PHB elisa kit

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CATALOG #
AAA89293

REACTIVITY
Canine

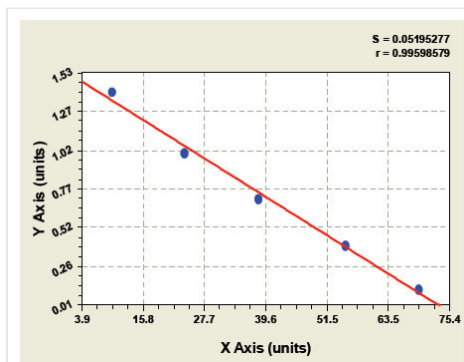
PRODUCT SYNONYMS

Prohibitin; Canine Prohibitin ELISA Kit; PHB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PHB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine PHB. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PHB elisa kit

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.

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-canine-elisa-kits/prohibitin/89293>