

Porcine Podoplanin ELISA Kit | PDPN elisa kit

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CATALOG #
AAA90595

REACTIVITY
Porcine

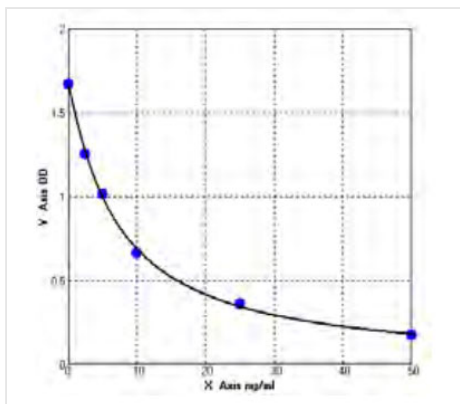
PRODUCT SYNONYMS

Podoplanin; Porcine Podoplanin ELISA Kit; PDPN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of PDPN. No significant cross-reactivity or interference between PDPN and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PDPN and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDPN elisa kit	Principle of the Assay: PDPN ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PDPN antibody and an PDPN-HRP conjugate. The assay sample and buffer are incubated together with PDPN-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 PDPN concentration since PDPN from samples and PDPN-HRP conjugate compete for the anti-PDPN antibody binding site. Since the number of sites is limited, as more sites are occupied by PDPN from the sample, fewer sites are left to bind PDPN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PDPN concentration in each sample is interpolated from this standard curve. Intended Uses: This PDPN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine PDPN. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for PDPN elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	21666312
Molecular Weight	12,421 Da
NCBI Official Full Name	podoplanin
UniProt Protein Name	Podoplanin
UniProt Gene Name	PDPN
UniProt Synonym Gene Names	GP36; PSEC0003; PSEC0025; Gp36; T1A
UniProt Entry Name	PDPN_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.

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Online datasheet: <https://stage.aaabiotech.com/pdpn-porcine-elisa-kits/podoplanin/90595>