

Porcine Peptidase Inhibitor 3 ELISA Kit | PI-3 elisa kit

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CATALOG #
AAA91493

REACTIVITY
Porcine

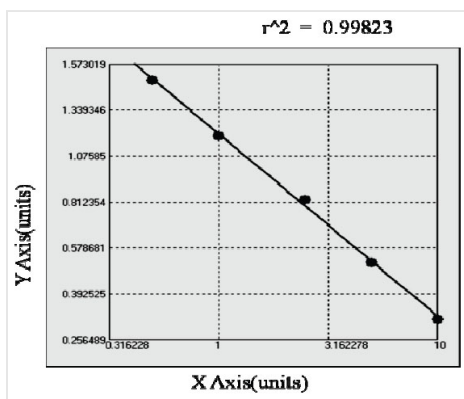
PRODUCT SYNONYMS

Peptidase Inhibitor 3; Porcine Peptidase Inhibitor 3 ELISA Kit; PI-3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This PI3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine PI3. 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 PI-3 elisa kit

Principle of the Assay: PI3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PI3 antibody and an PI3-HRP conjugate. The assay sample and buffer are incubated together with PI3-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 PI3 concentration since PI3 from samples and PI3-HRP conjugate compete for the anti-PI3 antibody binding site. Since the number of sites is limited, as more sites are occupied by PI3 from the sample, fewer sites are left to bind PI3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PI3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27995313
Molecular Weight	20,741 Da
NCBI Official Full Name	PI-3, partial
UniProt Protein Name	PI-3
UniProt Entry Name	Q84Y40_FICVE

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/pi-3-porcine-elisa-kits/peptidase-inhibitor-3/91493>