

Guinea Pig Peptidase Inhibitor 3 ELISA Kit | PI-3 elisa kit

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CATALOG #
AAA86892

REACTIVITY
Guinea Pig

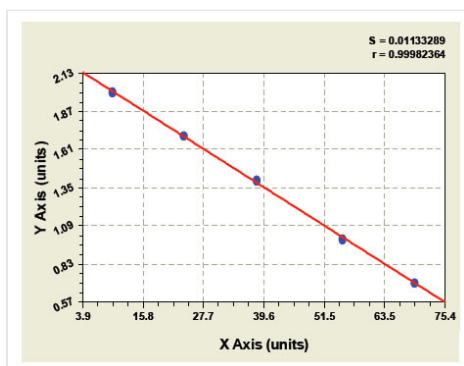
PRODUCT SYNONYMS

Peptidase Inhibitor 3; Guinea pig Peptidase Inhibitor 3 ELISA Kit; PI-3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This PI-3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig PI-3. 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: PI-3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PI-3 antibody and an PI-3-HRP conjugate. The assay sample and buffer are incubated together with PI-3-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 PI-3 concentration since PI-3 from samples and PI-3-HRP conjugate compete for the anti-PI-3 antibody binding site. Since the number of sites is limited, as more sites are occupied by PI-3 from the sample, fewer sites are left to bind PI-3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PI-3 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-guinea-pig-pig-elisa-kits/peptidase-inhibitor-3/86892>