

Chicken Ca (2+) -ATPase ELISA Kit | Ca (2+) -ATPase elisa kit

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CATALOG #
AAA96101

REACTIVITY
Chicken

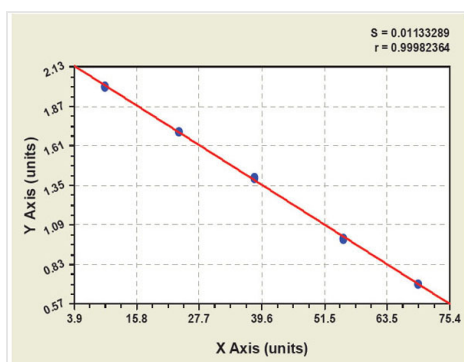
PRODUCT SYNONYMS

Ca (2+) -ATPase; Chicken Ca (2+) -ATPase ELISA Kit; Ca (2+) -ATPase elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ca (2+) -ATPase elisa kit

Principle of the assay: Ca(2+)-ATPase ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Ca(2+)-ATPase antibody and an Ca(2+)-ATPase-HRP conjugate. The assay sample and buffer are incubated together with Ca(2+)-ATPase-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 Ca(2+)-ATPase concentration since Ca(2+)-ATPase from samples and Ca(2+)-ATPase-HRP conjugate compete for the anti-Ca(2+)-ATPase antibody binding site. Since the number of sites is limited, as more sites are occupied by Ca(2+)-ATPase from the sample, fewer sites are left to bind Ca(2+)-ATPase-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Ca(2+)-ATPase concentration in each sample is interpolated from this standard curve.

Product Categories/Family for Ca (2+) -ATPase elisa kit

[Epigenetics and Nuclear Signaling](#)

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/chicken-elisa-kits/ca-2-atpase/96101>