

Mouse Na-K-ATP ELISA Kit | Na-K-ATP elisa kit

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CATALOG #
AAA96155

REACTIVITY
Mouse

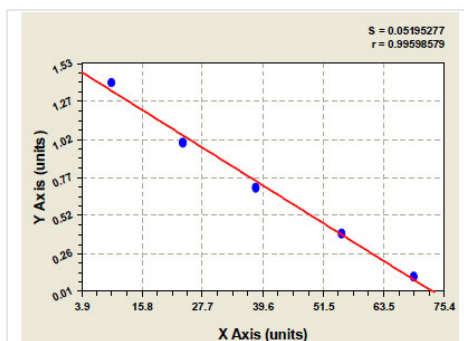
PRODUCT SYNONYMS

Na-K-ATP; Mouse Na-K-ATP ELISA Kit; Na-K-ATP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Na-K-ATP. No significant cross-reactivity or interference between Na-K-ATP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Na-K-ATP and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 Na-K-ATP elisa kit	Intended Uses: This Na-K-ATP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse Na-K-ATP. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: Na-K-ATP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Na-K-ATP antibody and an Na-K-ATP-HRP conjugate. The assay sample and buffer are incubated together with Na-K-ATP-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 Na-K-ATP concentration since Na-K-ATP from samples and Na-K-ATP-HRP conjugate compete for the anti-Na-K-ATP antibody binding site. Since the number of sites is limited, as more sites are occupied by Na-K-ATP from the sample, fewer sites are left to bind Na-K-ATP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Na-K-ATP concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	316954001
Molecular Weight	7,589 Da
NCBI Official Full Name	Na/K ATPase, partial
UniProt Protein Name	Na/K ATPase
UniProt Entry Name	E9LEW1_ARTSF

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/mouse-elisa-kits/na-k-atp/96155>