

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

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CATALOG #
AAA95946

REACTIVITY
Rat

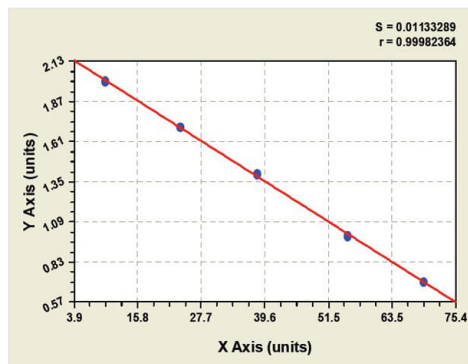
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50mg/L
Sensitivity	0.1mg/L
Intended Uses	This Na-K-ATP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit Na-K-ATP. 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 Na-K-ATP elisa kit

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.

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/rat-elisa-kits/na-k-atp/95946>