

Mouse ATPase, Na⁺/K⁺ Transporting Alpha 2 Polypeptide (ATP1a2) ELISA Kit | ATP1a2 elisa kit

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CATALOG #
AAA137639

REACTIVITY
Mouse

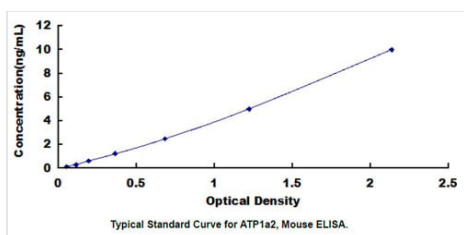
PRODUCT SYNONYMS

ATPase; Na⁺/K⁺ Transporting Alpha 2 Polypeptide (ATP1a2); Mouse ATPase; Na⁺/K⁺ Transporting Alpha 2 Polypeptide (ATP1a2) ELISA Kit; ATP1a2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ATPase, Na ⁺ /K ⁺ Transporting Alpha 2 Polypeptide (ATP1a2) No significant cross-reactivity or interference between ATPase, Na ⁺ /K ⁺ Transporting Alpha 2 Polypeptide (ATP1a2) and analogues was observed.
Samples	Tissue homogenates and other biological fluids
Assay Type	Sandwich
Detection Range	0.156-10ng/mL The standard curve concentrations used for the ELISA's were 10ng/mL, 5ng/mL, 2.5ng/mL, 1.25ng/mL, 0.625ng/mL, 0.313ng/mL, 0.156ng/mL
Sensitivity	Typically less than 0.042ng/mL.
Organism Species	Mus musculus (Mouse)
ELISA Type	Sandwich
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ATPase, Na ⁺ /K ⁺ Transporting Alpha 2 Polypeptide (ATP1a2) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ATPase, Na ⁺ /K ⁺ Transporting Alpha 2 Polypeptide (ATP1a2) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP1a2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to ATPase, Na+/K+ Transporting Alpha 2 Polypeptide (ATP1a2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to ATPase, Na+/K+ Transporting Alpha 2 Polypeptide (ATP1a2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ATPase, Na+/K+ Transporting Alpha 2 Polypeptide (ATP1a2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of ATPase, Na+/K+ Transporting Alpha 2 Polypeptide (ATP1a2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/atpase-na-k-transporting-alpha-2-polypeptide-atp1a2/137639>