

Mouse ATP4a (ATPase, H+/K+ Exchanging Alpha Polypeptide) ELISA Kit | ATP4a elisa kit

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CATALOG #
AAA274282

REACTIVITY
Mouse

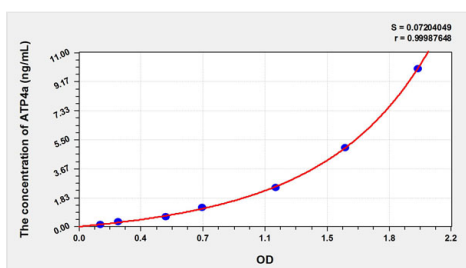
PRODUCT SYNONYMS

ATP4a (ATPase; H+/K+ Exchanging Alpha Polypeptide); Mouse ATP4a (ATPase; H+/K+ Exchanging Alpha Polypeptide) ELISA Kit; Gastric H; K-ATPase Alpha Subunit; H(+)-K(+)-ATPase Alpha Subunit; Proton Pump; Potassium-transporting ATPase alpha chain 1; ATP4a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse ATP4a. No significant cross-reactivity or interference between Mouse ATP4a and analogues was observed.
Assay Type	Sandwich
Detection Range	0.16-10 ng/mL
Sensitivity	0.055 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (Precision between assays)? CV%<10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.
Preparation and Storage	Store at 2-8 degree C. Stable for 6 months from date of receipt.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ATP4a elisa kit

Principle of the Assay: 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, H+/K+ Exchanging Alpha Polypeptide(ATP4a). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to ATPase, H+/K+ Exchanging Alpha Polypeptide(ATP4a). 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, H+/K+ Exchanging Alpha Polypeptide(ATP4a), 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, H+/K+ Exchanging Alpha Polypeptide(ATP4a) in the samples is then determined by comparing the OD of the samples to the standard curve.

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/atp4a-atpase-h-k-exchanging-alpha-polypeptide/274282>