

Mouse ATPase, Ca⁺⁺ Transporting, Cardiac Muscle, Slow Twitch 2 (ATP2A2) ELISA Kit | ATP2A2 elisa kit

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CATALOG # AAA135881	REACTIVITY Mouse
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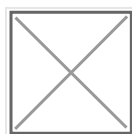
PRODUCT SYNONYMS

ATPase; Ca⁺⁺ Transporting; Cardiac Muscle; Slow Twitch 2 (ATP2A2); Mouse ATPase; Slow Twitch 2 (ATP2A2) ELISA Kit; ATP2B; DAR; SERCA2; Calcium pump 2; Endoplasmic reticulum class 1/2 Ca(2+) ATPase; Calcium-transporting ATPase sarcoplasmic reticulum type; slow twitch skeletal muscle; ATP2A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ATP2A2. No significant cross-reactivity or interference between ATP2A2 and analogues was observed.
Sequence Length	1042
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates And Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ATP2A2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ATP2A2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 ATP2A2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ATP2A2 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ATP2A2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ATP2A2. 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 ATP2A2, 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 ATP2A2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ATP2A2 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	23272583
NCBI GeneID	488
UniProt Accession #	P16615; P16614; Q86VJ2; A6NDN7; B4DF05
Molecular Weight	109,734 Da
NCBI Official Full Name	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2
NCBI Official Synonym Full Names	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2
NCBI Official Symbol	ATP2A2
NCBI Official Synonym Symbols	DD; DAR; ATP2B; SERCA2
NCBI Protein Information	sarcoplasmic/endoplasmic reticulum calcium ATPase 2
UniProt Protein Name	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2
UniProt Gene Name	ATP2A2
UniProt Synonym Gene Names	ATP2B; SERCA2; SR Ca(2+)-ATPase 2
UniProt Entry Name	AT2A2_HUMAN

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/atpase-ca-transporting-cardiac-muscle-slow-twitch-2-atp2a2/135881>