

Ca²⁺-ATPase assay kit

Ca²⁺-ATPase assay kit (Colorimetric method, tissue and ordinary cells)

CATALOG #
AAA22076

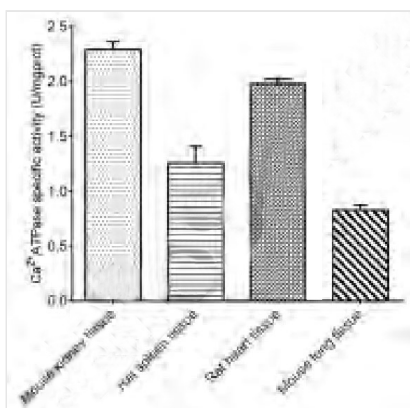
PRODUCT SYNONYMS

Ca²⁺-ATPase; Ca²⁺-ATPase assay kit (Colorimetric method; tissue and ordinary cells); Ca²⁺-ATPase assay kit

PRODUCT SPECIFICATIONS

Specificity	50 Assays (23 samples)/100 Assays (48 samples)
Sequence Length	1032
Samples	Animal tissue and cell samples
Detection Range	0.8-41 U/g wet weight
Intra-assay Precision	Three mouse kidney samples were assayed in replicates of 20 to determine precision within an assay (CV = Coefficient of Variation).
Inter-assay Precision	Three mouse kidney samples were assayed 20 times in duplicate by three operators to determine precision between assays.
Preparation and Storage	Store at 2-8 degree C. Valid for 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ca²⁺-ATPase assay kit

Principle of the Assay: ATPase can decompose ATP to produce inorganic phosphorus. The activity of ATPase can be expressed by measuring the production amount of inorganic phosphorus in unit time. In the control system, Ca²⁺-ATPase activity was inhibited, while in the sample system, Ca²⁺-ATPase activity was not inhibited. The difference of inorganic phosphorus content between the sample and the control was the inorganic phosphorus produced by Ca²⁺-ATPase during the incubation time. The activity of Ca²⁺-ATPase was determined by inorganic phosphorus production.

Intended Uses: This kit can be used for detection of Ca²⁺-ATPase activity in animal tissue and cell samples.

NCBI AND UNIPROT INFORMATION

NCBI GI #	551612879
NCBI GeneID	17280222
NCBI GenBank Nucleotide #	XM_005787391.1
NCBI Official Full Name	Ca2+ ATPase
NCBI Official Symbol	ECA1
NCBI Protein Information	Ca2+ ATPase

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://stage.aaabiotech.com/assay-kits/ca2-atpase/22076>