

General Acid Phosphatase Assay Kit | PHOA assay kit

Acid Phosphatase Assay Kit

CATALOG # AAA105419	REACTIVITY General	APPLICATIONS Functional Assay
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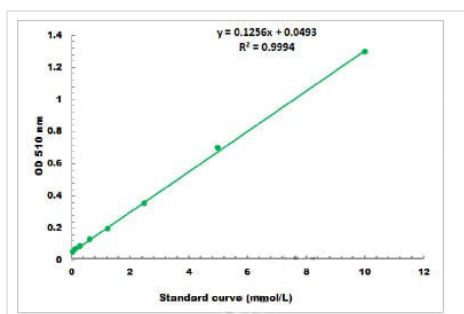
PRODUCT SYNONYMS

Acid Phosphatase; Acid Phosphatase Assay Kit; PHOA assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	412
Samples	Tissue Extracts, Cell Lysate, Cell Culture Media And Other Biological Fluids Samples
Detection Range	1 umol/L-100 umol/L
Applicable Applications for PHOA assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PHOA assay kit

Background/Introduction: Acetyl-CoA carboxylase (ACC) is a biotin-dependent enzyme that catalyzes the irreversible carboxylation of acetyl-CoA to produce malonyl-CoA through its two catalytic activities, biotin carboxylase (BC) and carboxyltransferase (CT). ACC is a multi-subunit enzyme in most prokaryotes and in the chloroplasts of most plants and algae, whereas it is a large, multi-domain enzyme in the endoplasmic reticulum of most eukaryotes. The most important function of ACC is to provide the malonyl-CoA substrate for the biosynthesis of fatty acids. The activity of ACC can be controlled at the transcriptional level as well as by small molecule modulators and covalent modification. Acetyl-CoA carboxylase can react with acetyl-CoA and ATP, the products are malonyl-CoA, ADP and inorganic phosphorus. The Acetyl-CoA carboxylase activity will be determined by the increase of inorganic phosphorus. At the end of the reaction period, the dye reagent forms a color with released phosphate, which is measured on a plate reader 635 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	169176
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Molecular Weight	45,628 Da
NCBI Official Full Name	acid phosphatase
UniProt Protein Name	Phosphate-repressible acid phosphatase
UniProt Gene Name	PHOA
UniProt Entry Name	PHOA_PENCH

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/general-assay-kits/acid-phosphatase/105419>