CREATIVE BIOMART®
Assay Kit

Acid Phosphatase Activity Colorimetric Assay Kit

Product Information

Cat.No. Kit-0038

Product Overview

Phosphate concentrations between 1 μM and 1 mM, with a lower limit of detection of approximately 0.1 nmol, can be directly determined. (500 assays) The assay detects acid phosphatase (AP) activity conveniently in various biological samples.

Size

500 assays

Description

Acid phosphatases (AP) dephosphorylate phosphate groups from phosphate esters under acid conditions. Different acid phosphatase isozymes are found in different organs, and their serum levels are used as a diagnostic for disease in the corresponding organs. Elevated prostatic acid phosphatase levels may indicate the presence of prostate cancer and elevated tartrate-resistant acid phosphatase levels may indicate the bone disease. Acid Phosphatase Assay Kit is a high sensitivity, simple, direct and HTS-ready colorimetric assay designed to measure AP activity in serum and other samples. It is suitable for research and drug discovery. The Acid Phosphatase Activity kit uses p-nitrophenyl phosphate (pNPP) as a phosphatase substrate which turns yellow (λmax = 405 nm) when dephosphorylated by AP. The kit can detect μU acid phosphatase activity in samples.

Applications

Phosphate concentrations between 1 μM and 1 mM, with a lower limit of detection of approximately 0.1 nmol, can be directly determined.

Target Species

Mammalian

Usage

This product is furnished for LABORATORY RESEARCH USE ONLY. Not for diagnostic or therapeutic use.

Kit Components

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

CREATIVE BIOMART®
Assay Kit

Acid Phosphatase Activity Colorimetric Assay Kit

AP Assay BufferpNPP Substrate (10 TAB)AP EnzymeStop Solution

Detection method Colorimetric

Compatible Sample Types

Cell Culture SupernatantsPlasmaSerumTissue LysatesUrineCell Lysates

Tel: 1-631-559-9269 1-516-512-3133

Email:info@creative-biomart.org

Fax:1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA