CREATIVE BIOMART®
Assay Kit

Acid Phosphatase Assay Kit

Product Information

Cat

Kit-2488

Cat.No. Kit-2488

Product Overview

Acid Phosphatase (ACP) is an enzyme which catalyzes the cleavage of phosphate groups from other molecules during digestion. Acid phosphatase can be found in lysosomes and become active after fusing with endosomes, acidifying the pH and, thus, creating an optimal environment for ACP. ACP can also be found in bone, spleen, liver, kidney and blood. Serum levels can be used as a biomarker for prostatic carcinoma, although prostate-specific antigen (PSA) is more widely used. non-radioactive, fluorimetric ACP assay is based on the cleavage of methylumbelliferyl phosphate. Methylumbelliferone becomes intensely fluorescent after addition of the stop reagent. The increase in fluorescence at 360/450 nm after addition of the stop reagent is directly proportional to the enzyme activity.

Storage

-20°C

Shipping

RT

Size

100 tests

Detection method FL360/450

Compatible Sample Types

Biological (e.g. serum) samples

Features & Benefits

Fast and sensitive. Linear detection range (20 µL sample): 0.008 to 10 U/L for a 30 minute reaction. High-throughput. Homogeneous "mix-incubate-measure" type assay. Can be readily automated on

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Acid Phosphatase Assay Kit

HTS liquid handling systems for processing thousands of samples per day.

Assay time
30 min
Sensitivity
0.008 U/L

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