CREATIVE BIOMART®
Assay Kit

Alkaline Phosphatase Activity Colorimetric Assay Kit

Product Information

Cat

Kit-2285

Cat.No. Kit-2285

Product Overview

Alkaline phosphatase (ALP) catalyzes the hydrolysis of phosphate esters in alkaline buffer and produces an organic radical and inorganic phosphate. Changes in alkaline phosphatase level and activity are associated with various disease states in the liver and bone. Alkaline Phosphatase Assay Kit is a highly sensitive, simple, direct and HTS-ready colorimetric assay designed to measure ALP activity in serum and biological samples. It contains 10 substrate tablets providing convenience for multiple usages. The kit uses p-nitrophenyl phosphate (pNPP) as a phosphatase substrate which turns yellow (λmax= 405 nm) when dephosphorylated by ALP. The Kit can detect 10-250 μU ALP in samples.

Applications

The Kit can detect 10-250 μU ALP in samples.

Storage

-20°C

Shipping

Gel Pack

Size

500 assays

Kit Components

ALP Assay Buffer; pNPP (10 TAB); ALP Enzyme; Stop Solution

Target Species

Mammalian

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Detection method Absorbance (405 nm)

Features & Benefits

Simple procedure; takes ~ 3 hours;
Fast and convenient;
The assay is sensitive and stable;
The TUNEL-based assay kit provides complete components including positive and negative control cells for convenient detection of DNA fragmentation in cultured cells and tissue sections.

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