CREATIVE BIOMART®
Assay Kit

Alkaline Phosphatase Fluorometric Assay Kit (Near Infrared)

Product Information

Cat.No. Kit-0865

Product Overview

Alkaline Phosphatase Assay kit (Fluorometric-Near Infrared) uses our SunRed Dye based substrate. The weakly fluorescent SunRed Dye phosphate is sensitive to phosphatase-induced hydrolysis, giving the SunRed Dye fluorophore that possesses intense red fluorescence. Upon phosphatase-induced hydrolysis, the SunRed Dye phosphate solution has its absorption blue-shifted more than 100 nm. The maximum absorption of SunRed Dye fluorophore at 633 nm makes this substrate an ideal NIR probe that can be readily detected with many fluorescence instrument systems often equipped with Cy5 settings. Based on the near infrared fluorescence of SunRed Dye fluorophore, the signal can be easily read by a fluorescence microplate reader at Ex/Em~630/660 nm. Alkaline Phosphatase Assay Kit has been used for the high throughput screening of protein phosphatase inhibitors due to its low interference from biological samples. It can be performed in a convenient 96-well or 384-well microtiter-plate format and easily adapted to automation without a separation step.

Size

500 tests

Description

Alkaline phosphatase is widely used in various biological assays (in particular, immunoassays) and ELISA-based diagnostics.

Applications

Functional Studies more details

Target Species

Reacts with: Human; Predicted to work with: all Mammals

Storage

Store at -20°C.

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

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Alkaline Phosphatase Fluorometric Assay Kit (Near Infrared)

Components: 500 tests; Alkaline Phosphatase Standard: 1 x 10 units; Assay Buffer: 1 x 25ml; SunRed indicator: 1 vial

Compatible Sample Types
Cell culture supernatant, Cell culture extracts
Sensitivity
= 0.3 mU/ml

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