CREATIVE BIOMART®
Assay Kit

Peroxidase Activity Assay Kit

Product Information

Cat.No. Kit-0675

Product Overview

Peroxidase Assay Kit provides a convenient colorimetric and fluorometric means to measure the peroxidase activity in biological samples. In the presence of Peroxidase, the OxiRed Probe reacts with H2O2 in a 1:1 stoichiometry to produce the redfluorescent oxidation product, resorufin. The resorufin is quantified by colorimetric (λmax = 570nm) or fluorometric methods (Ex/Em = 535/587 nm). The assay is simple, direct, highly sensitive and high throughput-ready. The detection limit is 0.1 mU per well via colorimetric or 0.01 mU per well via fluorometric method, based on our unit definition.

Applications

Functional Studies

Target Species

Reacts with: Human, A wide range of mammals

Storage

Store the kit at-20°C and protect from light. Please read the entire protocol before performing the assay. Avoid repeated freeze/thaw cycles. Warm assay buffer to room temperature before use. Briefly centrifuge all small vials prior to opening.

Kit Components

Components Identifier 100 testsHRP Positive Control Green 1 vialHydrogen Peroxide Substrate Yellow 1 x 0.1mlOxiRed Probe Red 1 x 0.2mlPeroxidase Assay Buffer WM 1 x 25ml

Compatible Sample Types

Cell culture supernatant, Urine, Serum, Plasma, Other biological fluids

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