CREATIVE BIOMART®
Assay Kit

PTP1B Colorimetric Assay Kit

Product Information

Cat.No. Kit-0749

Product Overview

A colorimetric assay kit to measure PTP1B activity. This convenient 96-well assay is useful for screening inhibitors and modulators of PTP1B activity.

Size

1 kit/96 Tests

Usage

The Calbiochem PTP1B Assay Kit, Colorimetric is a nonradioactive assay designed for measuring PTP1B activity in purified prperations and for inhibitor or activator screening.

Storage

Storage:< -70°C, Avoid freeze/thaw.Storage Conditions: Upon arrival store the 1/2 Volume Plate at room temperature and the remaining components at -70°C to maintain the highest stability. The PTP1B must be handled very carefully in order to retain maximal enzymatic activity. Thaw it quickly in a RT water bath or by rubbing between fingers, then immediately store on an ice bath. The remaining unused enzyme should be quickly refrozen by placing at -70°C. To minimize the number of freeze/thaw cycles, aliquot the PTP1B into separate tubes and store at -70°C.

Kit Components

PTP1B Enzyme: 1 vial, 5 µg, 100 ng/µl in 50 mM HEPES, 1 mM EDTA, 1 mM DTT, 10% (v/v) glycerol, 0.05% NP-40, pH 7.2 in a screw cap microcentrifuge tubePTP1B Substrate (IR5): 1 vial, 1 mg, supplied as a lyophilized solid in a screw cap vial, composed of amino acids 1142-1153, pY^{11}□□, M.W. 1703 kDa2X Assay Buffer: 1 bottle, 20 ml, supplied as 2X buffer (300 mM NaCl, 100 mM MES, 2 mM DTT, 2 mM EDTA, 0.1% NP-40, pH 7.2) in a screw-cap plastic bottleRed Reagent: 1 bottle, 5 ml, supplied as concentrated phosphate detection reagent in a screw-cap plastic bottlePhosphate Standard: 1 vial, 500 µl, supplied as a 100 µM solution in 1X Assay Buffer in a screw cap microcentrifuge tubeSuramin Inhibitor: 1 vial, 10 mg1/2 Volume Plate: 1 plate

Detection method Colorimetric

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CREATIVE BIOMART®
Assay Kit

PTP1B Colorimetric Assay Kit

Compatible Sample Types

Purified enzyme

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