PTP1B Fluorometric Assay Kit

Cat. No. Kit-0751 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Simple procedure Fast and convenient
Size	400 assays
Description	The PhosphoSeek Technology for screening of kinase and phosphatase activities is a robust and homogeneous detection platform that measures the activity of a target enzyme. Assays are non-competitive with respect to substrate and do not require radioactive materials or secondary (detector) enzymes or antibodies. These biochemical assays are ideally suited for automated screening and can be read on any fluorometer. The Sensor is a proprietary fluorescent molecule that contains a trivalent metal ion, which binds to phosphorylated biological substrates. Phosphorylation is measured by the change of fluorescence of a dye-labeled and phosphorylated substrate when bound by the Sensor. The change in fluorescence directly correlates to the level of substrate conversion.
Applications	Measure enzyme activity from purified enzyme preparation, screen PTP1B Inhibitor Candidates using supplied PTP1B.
Target Species	Mammalian
Usage	For Research Use Only! Not For Use in Humans
Storage	MT
Kit Components	• Assay Buffer • Sensor Stock • Post Reaction Buffer • Sensor Dilution Buffer • PTP1B

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	Substrate • PTP1B Calibrator • 384 well Cliniplate
Detection method	Fluorescence (Ex/Em 540/580 nm)
Compatible Sample Types	Purified/Isolated enzyme; PTP1B Inhibitor Candidates

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