CREATIVE BIOMART®
Assay Kit

TNKS1 Histone Ribosylation Assay Kit (Biotin-labeled NAD+) I

Product Information

Cat.No. Kit-1881

Product Overview

TNKS1 catalyzes the NAD-dependent addition of poly(ADP-ribose) to the substrate proteins.

Size

384 reactions

Description

The TNKS1 Histone Ribosylation Assay Kit (Biotin-labeled NAD+) is designed to measure Tankyrase 1 (TNKS1) activity for screening and profiling applications. The key to the TNKS1 Histone Ribosylation Assay (Biotin-labeled NAD+) is the biotinylated substrate. With this kit, only three simple steps are required for TNKS1 reactions. First, histone proteins are coated on a 384-well plate. Next, the biotinylated TNKS1 substrate is incubated with an assay buffer that contains the TNKS1 enzyme. Finally, the plate is treated with streptavidin-HRP followed by addition of the HRP substrate to produce chemiluminescence that can be measured using a chemiluminescence reader.

Applications

Great for studying enzyme kinetics and screening small molecular inhibitors for drug discovery and HTS applications.

Storage

12 months from date of receipt, when stored as directed. Kit components require different storage conditions. Be sure to store each component at the proper temperature upon arrival.

Kit Components

TNKS1: 2 x 5 µg; -80°C 5 x histone mixture: 2 x 1 ml; -80°C10x Assay Mixture Containing Biotinylated Substrate: 2 x 300 μl; -80°C10x PARP Assay Buffer: 2 x 1 ml; -80°CBlocking buffer: 50 ml; +4°CStreptavidin-HRP: 2 x 100 μ; +4°CHRP chemiluminescent substrate A (translucent bottle): 2 x 6 ml; +4°C HRP chemiluminescent substrate B (brown bottle): 2 x 6 ml; +4°C 384-well plate: 1; Room Temperature

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