



## TNKS2 Histone Ribosylation Assay Kit (Biotin-labeled NAD<sup>+</sup>) II

### Product Information

#### Cat.No.

Kit-1887

#### Product Overview

TNKS2 catalyzes the NAD-dependent addition of poly (ADP-ribose) to the substrate proteins.

#### Size

384 reactions

#### Description

The TNKS2 Histone Ribosylation Assay Kit (Biotin-labeled NAD<sup>+</sup>) is designed to measure Tankyrase 2 (TNKS2) activity for screening and profiling applications. The key to the TNKS2 Histone Ribosylation Assay (Biotin-labeled NAD<sup>+</sup>) is the biotinylated substrate. With this kit, only three simple steps are required for TNKS2 reactions. First, histone proteins are coated on a 384-well plate. Next, the biotinylated TNKS2 substrate is incubated with an assay buffer that contains the TNKS2 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

TNKS2: 4 µg; -80°C 5 x histone mixture: 2 ml; -80°C 10x Assay Mixture Containing Biotinylated Substrate: 600 µl; -80°C 10x PARP Assay Buffer: 2 ml; -80°C Blocking buffer: 50 ml; +4°C Streptavidin-HRP: 200 µl; +4°C HRP chemiluminescent substrate (2 components): 12 ml each; +4°C 384-well plate: 1; Room Temperature