CREATIVE BIOMART®
Assay Kit

PARP14 Chemiluminescent Assay Kit

Product Information

Cat.No. Kit-1797

Product Overview

PARP14 catalyzes NAD-dependent ADP-ribosylation, and PARP14 overexpression in myeloma cells is associated with disease progression and poor survival rates.

Size

32 reactions

Description

The PARP14 Chemiluminescent Activity Assay Kit is designed to measure PARP14 activity for screening and profiling applications. The key to the PARP14 Chemiluminescent Activity Assay is the biotinylated substrate. With this kit, only three simple steps are required for PARP14 reactions. First, histone proteins are coated on a 96-well plate. Next, the biotinylated substrate is incubated with an assay buffer that contains the PARP14 enzyme. Finally, the plate is treated with streptavidin-HRP followed by addition of the HRP substrate to produce chemiluminescence that can then 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

PARP14: 10 µg; -80°C 5x histone mixture: 1 ml; -80°C Opti-PARP assay mixture containing biotinylated substrate: 300 µl; -80°C 10x PARP assay buffer: 1 ml; -20°C Blocking buffer: 25 ml; +4°C Streptavidin-HRP: 100 µl; +4°C HRP chemiluminescent substrate A (translucent bottle): 6 ml; +4°C HRP chemiluminescent substrate B (brown bottle): 6 ml; +4°C Max 96-well module plate: 1; Room Temp.

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