



DNMT1 Chemiluminescent Assay Kit

Product Information

Cat.No.

Kit-1715

Size

96 reactions

Description

The DNMT1 Assay Kit is designed to measure DNMT1 activity for screening and profiling applications. The key to the DNMT1 Assay Kit is a highly specific antibody that recognizes 5-methylcytosine on the substrate. With this kit, only three simple steps on a microtiter plate are required for DNMT1 detection. First, S-adenosylmethionine is incubated with a sample containing assay buffer and DNMT1 for one hour. Next, primary antibody is added. Finally, the plate is treated with an HRP-labeled secondary antibody followed by addition of the HRP substrate to produce chemiluminescence that can then be measured using a chemiluminescence reader.

Applications

Useful for studying enzyme kinetics 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

DNMT1: 2 x 10 µg; -80°C 400 µM S-adenosylmethionine: 2 x 250 µl; -80°C Anti-5-methylcytosine antibody: 25 µl; -80°C Secondary HRP-labeled antibody 1: 10 µl; -80°C 4x DNMT assay buffer 1: 5 ml; -20°C Blocking buffer: 50 ml; +4°C HRP chemiluminescent substrate A: 6 ml; +4°C HRP chemiluminescent substrate B (brown bottle): 6 ml; +4°C Strip plate precoated with DNMT1 substrate: 1; +4°C