CREATIVE BIOMART®
Assay Kit

# 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 DNM1 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°C400 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

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