CREATIVE BIOMART®
Assay Kit

DNMT Universal Chemiluminescent Assay Kit

Product Information

Cat.No. Kit-1714

Size

96 reactions

Description

The DNMT Universal Assay Kit is designed to measure DNMT activity for screening and profiling applications. The key to the DNMT Universal 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 detection of DNMT activity. First, S-adenosylmethionine is incubated with a sample containing assay buffer and DNMT for two hours. 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 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: 10 µg; -80°C DNMT3A/3L Complex: 10 µg; -80°C DNMT3B/3L Complex: 10 µg; -80°C 400 µM S-adenosylmethionine: 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 2: 5 ml; -20°C Blocking buffer: 50 ml; +4°C HRP chemiluminescent substrate (2 components): 6 ml each; +4°C 8-well strip plate precoated with DNMT substrate: 1; +4°C

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