CREATIVE BIOMART®
Assay Kit

DNMT3B Chemiluminescent Assay Kit

Product Information

Cat.No. Kit-1716

Size

96 reactions

Description

The DNMT3B Direct Activity Assay Kit is designed to measure DNMT3B activity for screening and profiling applications. The key to the DNMT3B Direct Activity Assay Kit is a highly specific antibody that recognizes 5-methylcytosine of the substrate. With this kit, only three simple steps on a microtiter plate are required for detection of DNMT3B activity. First, S-adenosylmethionine is incubated with a sample containing assay buffer and DNMT3B/3L 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 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

DNMT3B/3L: 2 x 20 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 2: 5 ml; -20°C Blocking buffer: 50 ml; +4°C HRP chemiluminescent substrate A (translucent bottle): 6 ml; +4°C HRP chemiluminescent substrate B (brown bottle): 6 ml; +4°C Plate pre-coated with DNMT substrate: 1; +4°C

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