



## 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°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 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