

## PRMT5 Chemiluminescent Assay Kit

### Product Information

#### Cat.No.

Kit-1858

#### Product Overview

PRMT5 is a histone methyltransferase that exhibits methylation activity toward H4-R3.

#### Size

96 reactions

#### Description

The PRMT5 Direct Activity Chemiluminescent Assay Kit is designed to measure PRMT5 activity for screening and profiling applications. The key to the PRMT5 Chemiluminescent Assay Kit is a highly specific antibody that recognizes methylated R3 residue of Histone H4. With this kit, only three simple steps on a microtiter plate are required for methyltransferase detection. First, S-adenosylmethionine is incubated with a sample containing assay buffer and methyltransferase enzyme 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

Great for studying enzyme kinetics and screening small molecular inhibitors for drug discovery 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

PRMT5/MEP50: 10 µg; -80°C 20 µM S-adenosylmethionine\*: 250 µl; -80°C Primary antibody 4: 100 µl; -80°C Secondary HRP-labeled antibody 2: 10 µl; -80°C 4x HMT assay buffer 2: 3 ml; -20°C Blocking buffer: 50 ml; +4°C HRP chemiluminescent substrate A (translucent bottle): 6 ml; +4°C HRP

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chemiluminescent substrate B (brown bottle): 6 ml; +4°C 96-well plate precoated with histone substrate: 1 plate; +4°C\* Decreasing S-adenosylmethionine concentration will make the assay more sensitive to the inhibitors.

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