CREATIVE BIOMART®
Assay Kit

PRMT4 Chemiluminescent Assay Kit

Product Information

Cat.No. Kit-1857

Product Overview

PRMT4 (CARM1) is a histone methyltransferase that exhibits methylation activity toward H3-R17.

Size

96 reactions

Description

The PRMT4 Direct Activity Chemiluminescent Assay kit is designed to measure PRMT4/CARM1 activity activity for screening and profiling applications. The key to the PRMT4 Chemiluminescent Assay Kit is a highly specific antibody that recognizes methylated PRMT4 substrate. 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. Next, primary antibody is added. Finally, the strip plates are treated with an HRP-labeled secondary antibody followed by addition of an 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

PRMT4/CARM1 enzyme: 20 µg; -80°C 20 µM S-adenosylmethionine: 250 µl; -80°C Primary antibody 9: 100 µl; -80°C Secondary HRP-labeled antibody 2: 10 µl; -80°C1% BSA: 50 µl; -80°C4x HMT assay buffer 5: 3 ml; -20°C Blocking buffer: 50 ml; +4°C HRP chemiluminescent substrate A (2 components): 6 ml each; +4°C 96-well plate precoated with PRMT4 substrate: 1 plate; +4°C* Decreasing S-

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adenosylmethionine concentration will make the assay more sensitive to the inhibitors.

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