CREATIVE BIOMART®
Assay Kit

PRMT3 Chemiluminescent Assay Kit

Product Information

Cat.No. Kit-1855

Product Overview

PRMT3 is a histone methyltransferase that exhibits methylation activity toward H4-R3.

Size

96 reactions

Description

The PRMT3 Direct Activity Chemiluminescent Assay kit is designed to measure PRMT3 activity for screening and profiling applications. The key to the PRMT3 Direct Activity Assay Kit is a highly specific antibody that recognizes methylated substrate. With this kit, only three simple steps on a microtiter plate are required for methyltransferase detection. First, Sadenosylmethionine 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

PRMT3 human recombinant enzyme: 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°C4x 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 chemiluminescent substrate B (brown bottle): 6 ml; +4°C 96-well plate precoated with

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histone substrate: 1 plate; +4°C* Decreasing S-adenosylmethionine concentration will make the assay more sensitive to the inhibitors.

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