CREATIVE BIOMART®
Assay Kit

EHMT1/GLP Chemiluminescent Assay Kit

Product Information

Cat.No. Kit-1721

Product Overview

EHMT1 (GLP) is a histone methyltransferase that exhibits methylation activity toward H3-K9.

Size

96 reactions

Description

The EHMT1 (GLP) Direct Activity Chemiluminescent Assay Kit is designed to measure EHMT1, also known as G9a-like protein or GLP activity for screening and profiling applications. The key to the EHMT1 (GLP) Chemiluminescent Assay Kit is a highly specific antibody that recognizes methylated K9 residue of H3. 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, primaryantibody 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

EHMT1 (GLP): 4 µg; -80°CPrimary antibody 5: 12.5 µl; -80°C Secondary HRP-labeled antibody 1: 10 µl; -80°C20 µM S-adenosylmethionine : 250 µl; -80°C4x HMT assay buffer 1: 3 ml; -20°C Blocking buffer: 50 ml; +4°C HRP chemiluminescent substrate (2 components): 6 ml each; +4°C 96-well plate precoated

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with histone substrate: 1 plate; +4°C

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