

## 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, 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

EHMT1 (GLP): 4 µg; -80°C Primary antibody 5: 12.5 µl; -80°C Secondary HRP-labeled antibody 1: 10 µl; -80°C 20 µM S-adenosylmethionine : 250 µl; -80°C 4x HMT assay buffer 1: 3 ml; -20°C Blocking buffer: 50

## **EHMT1/GLP Chemiluminescent Assay Kit**

ml; +4°C HRP chemiluminescent substrate (2 components): 6 ml each; +4°C 96-well plate precoated with histone substrate: 1 plate; +4°C

---