CREATIVE BIOMART®
Assay Kit

EZH2 (Y641F) Chemiluminescent Assay Kit

Product Information

Cat.No. Kit-1724

Size

96 reactions

Description

The EZH2 (Y641F) Chemiluminescent Assay Kit is designed to measure activity of the mutant EZH2 complex (EZH2 (Y641F)/EED/SUZ12/RbAp48/ AEBP) for screening and profiling purposes. The key to the EZH2 (Y641F) Chemiluminescent Assay Kit is a highly specific antibody that recognizes methylated Histone H3K27. 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 strips are 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 HTS applications.

Storage

Stable at least 6 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

EZH2 (Y641F)/EED/SUZ12/RbAp48/AEBP2: 5 µg; -70°C20 µM S-adenosylmethionine: 250 µl; -70°C Primary Antibody 24: 25 µl; -70°C Secondary HRP-labeled antibody 2: 10 µl; -70°C 4x HMT assay buffer 2B: 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 8-well strip plate module precoated with histone substrate: 1 plate (12 x 8-well strips) ; +4°C

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