CREATIVE BIOMART®
Assay Kit

MLL1 Complex Chemiluminescent Assay Kit

Product Information

Cat.No. Kit-1781

Size

96 reactions

Description

The MLL1 Complex Direct Activity Chemiluminescent Assay kit is designed to measure MLL1 activity for screening and profiling applications, using purified MLL1 and its complex components: WDR5, RbBP5,Ash2, and DPY30. The key to the MLL1 Complex Chemiluminescent Assay Kit is a highly specific antibody that recognizes methylated K4 residue of Histone 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 plates are treated with an HRP-labeled secondary antibody followed by the addition of the HRP substrate to produce chemiluminescence that can 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

MLL1/WDR5/Ash2L/RbBP5/DPY30: 25 µg; -80°C 20 µM S-adenosylmethionine: 250 µl; -80°C Primary antibody 2: 12.5 µl; -80°C 4x HMT assay buffer 1: 3 ml; -20°C Secondary HRP-labeled antibody 1: 10 µl; -80°C Blocking buffer: 50 ml; +4°C HRP chemiluminescent substrate (2 components): 6 ml; each +4°C 96-well plate: 1; plate +4°C

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