CREATIVE BIOMART®
Assay Kit

SetDB1 Chemiluminescent Assay Kit

Product Information

Cat.No. Kit-1865

Size

96 reactions

Description

The SetDB1 Chemiluminescent Assay Kit is designed to measure SetDB1 activity for screening and profiling applications. The key to the SetDB1 Direct Activity Assay Kit is a highly specific antibody that recognizes the methylated K9 residue of Histone H3. With this kit, only three simple steps are required for methyltransferase detection. First, S-adenosylmethionine is incubated with a sample containing assay buffer and methyltransferase enzyme. 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

One year from date of receipt when stored as directed.

Kit Components

SetDB1 human enzyme: 5 µg; -80°C 20 µM S-adenosylmethionine: 250 µl; -80°C Primary antibody 1: 100 µl; -80°C Secondary HRP-labeled antibody 1: 10 µl; -80°C4x HMT assay buffer 1: 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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