

## 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°C 4x 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