

## EZH2 (Y641N) Chemiluminescent Assay Kit

### Product Information

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**Cat.No.**

Kit-1725

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**Size**

96 reactions

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**Description**

The EZH2 (Y641N) Chemiluminescent Assay Kit is designed to measure activity of the mutant EZH2 complex (EZH2 (Y641N)/EED/SUZ12/RbAp48/ AEBP) for screening and profiling purposes. The key to the EZH2 (Y641N) 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.

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**Applications**

Great for studying enzyme kinetics and HTS applications.

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**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.

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**Kit Components**

EZH2 (Y641N)/EED/SUZ12/RbAp48/AEBP2: 5 µg; -80°C 20 µM S-adenosylmethionine: 250 µl; -80°C Primary Antibody 24: 12.5 µl; -80°C Secondary HRP-labeled antibody 2: 10 µl; -80°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 96-well plate precoated with histone substrate: 1 plate; +4°C