CREATIVE BIOMART®
Assay Kit

# JMJD3 (KDM6B) Chemiluminescent Assay Kit

## Product Information

**Cat.No.** Kit-1776

**Product Overview**

JMJD3 is a JmjC-domain protein that exhibits demethylation activity toward di- and trimethyl-lysine 27 (H3K27me2/3) on histone H3.

**Size**

96 reactions

**Description**

The JMJD3 Chemiluminescent Assay Kit is designed to measure JMJD3 activity for screening and profiling applications. The key to the JMJD3 Direct Activity Assay Kit is a highly specific antibody that recognizes demethylated substrate. With this kit, only three simple steps on a microtiter plate are required for methyltransferase detection. First, a sample containing JMJD3 enzyme is incubated with a sample containing assay buffer for one hour. Next, primary antibody is added. Finally, the plate is 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 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**

JMJD3 (KDM6B): 4 µg; -80°C Primary antibody 6: 12.5 µl; -80°C Secondary HRP-labeled antibody 2: 10 µl; -80°C 4x JMJD3 assay buffer: 3 ml; -20°C Blocking buffer: 50 ml; +4°C HRP chemiluminescent substrate A (transparent bottle): 6 ml; +4°C HRP chemiluminescent substrate B (brown bottle): 6 ml; +4°C 8-well strip module plate: 1; +4°C

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