

# JMJD2C (KDM4C) Chemiluminescent Assay Kit

## Product Information

### Cat.No.

Kit-1772

### Product Overview

JMJD2C is a JmjC-domain protein that exhibits demethylation activity toward H3-K9Me3 and H3-K36Me3.

### Size

96 reactions

### Description

The JMJD2C Chemiluminescent Assay Kit is designed to measure activity of the JMJD2C for screening and profiling applications. The key to the JMJD2C Chemiluminescent 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 JMJD2C 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

JMJD2C (GASC1, KDM4C): 20 µg; -80°C Primary antibody 5: 12.5 µl; -80°C Secondary HRP-labeled antibody 1: 10 µl; -80°C 4x JMJD2C direct assay buffer: 3 ml; -20°C Blocking buffer: 50 ml; +4°C HRP

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chemiluminescent substrate A: 6 ml; +4°C HRP chemiluminescent substrate B: 6 ml; +4°C White  
microplate precoated with histone substrate: 1; +4°C

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