

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 (H3K27me_{2/3}) 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;



CREATIVE **BIOMART**[®]
Assay Kit

JMJD3 (KDM6B) Chemiluminescent Assay Kit

+4°C 8-well strip module plate: 1; +4°C

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