

## JMJD2E (KDM4DL) Homogeneous Assay Kit

### Product Information

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#### Cat.No.

Kit-1775

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#### Product Overview

JMJD2E, also known as KDM4DL (lysine (K)-specific demethylase 4D-like) is a JmjC-domain protein that exhibits demethylation activity toward H3-K9Me3 and H3-K36Me3.

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#### Size

384 reactions

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#### Description

The JMJD2E Homogeneous Assay Kit is designed to measure activity of JMJD2E for screening and profiling applications, using AlphaLISA technology. The key to the JMJD2E Homogeneous 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 JMJD2E enzyme is incubated with the biotinylated substrate for two hours. Next, acceptor beads and primary antibody are added, then donor beads, followed by reading the Alphacounts.

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#### Applications

Great for studying enzyme kinetics and screening small molecular inhibitors for drug discovery and HTS applications.

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#### 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.

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#### Kit Components

JMJD2E: 40 µg; -80°C Primary antibody 5: 2 x 12.5 µl; -80°C Biotinylated histone H3 peptide substrate: 500 rxns; -80°C 4x HDM Assay Buffer 3: 2 ml; -20°C 4x HDM Incomplete assay buffer: 1 ml; -20°C 4x Detection buffer: 2 ml; -20°C

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