CREATIVE BIOMART®
Assay Kit

JMJD2C (KDM4C) Homogeneous Assay Kit

Product Information

Cat.No. Kit-1773

Product Overview

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

Size

384 reactions

Description

The JMJD2C Homogeneous Assay Kit is designed to measure activity of the JMJD2C for screening and profiling applications, using AlphaLISA technology. The key to the JMJD2C 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 JMJD2C enzyme is incubated with the biotinylated substrate. Next, acceptor beads and primary antibody are added, then donor beads, followed by reading the Alpha-counts.

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): 60 µg; -80°C Primary antibody 5: 2 x 12.5 μl; -80°C Biotinylated histone H3 peptide substrate (JMJD2): 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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