CREATIVE BIOMART®
Assay Kit

PHF8 (KDM7B) Homogeneous Assay Kit

Product Information

Cat.No. Kit-1851

Size

384 rxns

Description

The PHF8 Homogeneous Assay Kit is designed to measure the activity of PHF8 for screening and profiling applications. PHF8, also known as JHDM1F and KDM7B, is a JumonjiC (JmjC) domain-containing histone lysine demethylase that exhibits demethylation activity toward dimethyl-lysine 9 on histone H3. The PHF8 Homogeneous Assay Kit comes in a convenient AlphaLISA format, with biotinylated histone H3 peptide substrate, primary antibody, demethylase assay buffer, and purified PHF8 for 384 enzyme reactions. The key to the PHF8 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 demethylase activity detection. First, a sample containing PHF8 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 HTS applications.

Storage

Stable at least 6 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

PHF8 (KDM7B), (2-525), DYKDDDDK-tag: 40 µg; -80°C Primary antibody 17-3: 40 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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