CREATIVE BIOMART®
Assay Kit

JARID1B (KDM5B) Homogeneous Assay Kit

Product Information

Cat.No. Kit-1768

Product Overview

JARID1B, also known as PLU-1 and KDM5B, is a JumonjiC (JmjC) and ARID domain-containing histone lysine demethylase that exhibits demethylation activity toward di- and trimethyl-lysine 4 (H3K4me2/3) on histone H3.

Size

384 reactions

Description

The JARID1B Homogeneous Assay Kit is designed to measure activity of the JARID1B for screening and profiling applications. The key to the JARID1B 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 JARID1B 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

>6 months at –80°C

Kit Components

JARID1B (KDM5A, RBBP2): 80 µg; -80°C Primary antibody 13: 25 µl; -80°C Biotinylated histone H3 peptide substrate (JARID): 500 rxns; -80°C 4x HDM Assay Buffer 2: 2 ml; -20°C 4x HDM Incomplete Assay Buffer: 1 ml; -20°C 4x Detection buffer 1: 2 ml; -20°C

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