

JARID1A (KDM5A) Homogeneous Assay Kit

Product Information

Cat.No.

Kit-1766

Product Overview

JARID1A, also known as RBBP2 and KDM5A, is a JumonjiC (JmjC) and ARID domain-containing histone lysine demethylase that exhibits demethylation activity toward di- and trimethyl-lysine 4 (H3K4me_{2/3}) on histone H3.

Size

384 reactions

Description

The JARID1A Homogeneous Assay Kit is designed to measure activity of the JARID1A for screening and profiling applications, using AlphaLISA technology. The key to the JARID1A 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 JARID1A 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

JARID1A (KDM5A, RBBP2): 60 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: 2 ml; -20°C