

## 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 (H3K4me<sub>2/3</sub>) 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