CREATIVE BIOMART®
Assay Kit

# 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 (H3K4me2/3) 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

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA