CREATIVE BIOMART®
Assay Kit

JARID1B (KDM5B) Chemiluminescent Assay Kit

Product Information

Cat.No. Kit-1767

Size

96 reactions

Description

The JARID1B Chemiluminescent Assay Kit is designed to measure JARID1B activity for screening and profiling applications. JARID1B is a member of the Jumonji, AT-rich interactive domain 1 (JARID1) histone demethylase protein family. It binds directly, with several other proteins, to retinoblastoma protein which regulates cell proliferation. The key to the JARID1B Chemiluminescent 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 detection of demethylase activity. First, JARID1B enzyme is incubated with the methylated H3 peptide for one hour. Next, primary antibody is added. Finally, the plate is treated with an HRP-labeled secondary antibody followed by the addition of the HRP substrate to produce chemiluminescence that can be measured using a chemiluminescence reader.

Applications

Great for studying enzyme kinetics and HTS applications.

Storage

One year from date of receipt when stored as directed.

Kit Components

JARID1B (KDM5B, PLU-1): 20 µg; -80°C Primary antibody 13: 12.5 µl; -80°C Secondary HRP-labeled antibody 1: 10 µl; -80°C 4x JARID1B assay buffer: 3 ml; -20°C Blocking buffer: 50 ml; +4°C HRP chemiluminescent substrate A (transparent bottle): 6 ml; +4°C HRP chemiluminescent substrate B (brown bottle): 6 ml; +4°C 8-well strip plate module precoated with histone substrate: 1; +4°C

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