CREATIVE BIOMART®
Assay Kit

JARID1A (KDM5A) Chemiluminescent Assay Kit

Product Information

Cat.No. Kit-1765

Product Overview

JARID1A 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.

Size

96 reactions

Description

The JARID1A Chemiluminescent Assay Kit is designed to measure JARID1A activity for screening and profiling applications. The key to the JARID1A 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, JARID1A 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

12 months from date of receipt, when stored as directed. Kit components require different storage conditions. Be sure to store each component at the proper temperature upon arrival.

Kit Components

JARID1A (KDM5A, RBBP2): 10 µg; -80°C Primary antibody 13: 12.5 µl; -80°C Secondary HRP-labeled antibody 1: 10 µl; -80°C 4x JARID1A 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

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(brown bottle): 6 ml; +4°C 8-well strip plate module precoated with histone substrate: 1; +4°C

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