CREATIVE BIOMART®
Assay Kit

FBXL10 (KDM2B) Chemiluminescent Assay Kit

Product Information

Cat.No. Kit-1730

Size

96 reactions

Description

The FBXL10 Chemiluminescent Assay Kit is designed to measure FBXL10 activity for screening and profiling applications. FBXL10, also known as KDM2B, JHDM1B, and CXXC2, is a histone lysine demethylase that exhibits demethylation activity toward trimethyllysine 4 (H3K4me3) and dimethyl-lysine 36 (H3K36me2) on histone H3. The key to the FBXL10 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, FBXL10 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

FBXL10: 20 µg; -80°CPrimary antibody 16: 12.5 µl; -80°C Secondary HRP-labeled antibody 2: 10 µl; -80°C 4x FBXL10 assay buffer: 3 ml; -20°C Blocking buffer: 50 ml; +4°C HRP chemiluminescent substrate A (translucent 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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