CREATIVE BIOMART®
Assay Kit

PRMT5 Homogeneous Assay Kit

Product Information

Cat.No. Kit-1859

Product Overview

PRMT5 is a histone methyltransferase that exhibits methylation activity toward H4-R3.

Size

384 reactions

Description

The PRMT5 Homogeneous Assay Kit is designed to measure the activity of PRMT5 for screening and profiling applications, using AlphaLISA technology. The key to the PRMT5 Homogeneous Assay Kit is a highly specific antibody that recognizes methylated substrate. With this kit, only three simple steps on a microtiter plate are required for methyltransferase detection. First, a sample containing PRMT5 enzyme is incubated with the biotinylated substrate for one hour. 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

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

PRMT5/MEP50: 40 µg; -80°C 20 µM S-adenosylmethionine: 250 μl; -80°CPrimary antibody 4: 200 μl; -80°CBiotinylated histone H4 peptide substrate: 2 x 250 rxns; -80°C 4x HMT assay Buffer 2A: 3 ml; -20°C 4x Detection buffer: 2 ml; -20°C

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