

## SMYD3 Homogeneous Assay Kit

### Product Information

#### **Cat.No.**

Kit-1868

#### **Size**

384 reactions

#### **Description**

The SMYD3 Homogeneous Assay Kit is designed to measure SMYD3 activity for screening and profiling applications. SMYD3 is a histone methyltransferase that promotes diand trimethylation of lysine4 of histone H3. It also exhibits methylation activity toward a lysine residue of MAPK/ERK Kinase Kinase 2 (MAP3K2). The key to the SMYD3 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 SMYD3 enzyme is incubated with the substrate for three hours. Next, acceptor beads and primary antibody are added, then donor beads, followed by reading the Alpha-counts.

#### **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**

SMYD3/HSP90: 20 µg; -80°C 100 µM S-adenosylmethionine: 2 x 250 µl; -80°C Primary antibody 15: 5 µl; -80°C SMYD3 substrate: 200 µl; -80°C 4x SMYD3 assay Buffer 2: 3 x 1 ml; -20°C 4x Detection buffer 3: 2 x 1 ml; -20°C