

## PHF8 (KDM7B) Homogeneous Assay Kit

### Product Information

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

Kit-1851

#### **Size**

384 rxns

#### **Description**

The PHF8 Homogeneous Assay Kit is designed to measure the activity of PHF8 for screening and profiling applications. PHF8, also known as JHDM1F and KDM7B, is a JumonjiC (JmjC) domain-containing histone lysine demethylase that exhibits demethylation activity toward dimethyl-lysine 9 on histone H3. The PHF8 Homogeneous Assay Kit comes in a convenient AlphaLISA format, with biotinylated histone H3 peptide substrate, primary antibody, demethylase assay buffer, and purified PHF8 for 384 enzyme reactions. The key to the PHF8 Homogeneous 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 demethylase activity detection. First, a sample containing PHF8 enzyme is incubated with the biotinylated substrate. 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**

Stable at least 6 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**

PHF8 (KDM7B), (2-525), FLAG-tag: 40 µg; -80°C Primary antibody 17-3: 40 µl; -80°C Biotinylated histone H3 peptide substrate: 500 rxns; -80°C 4x HDM Assay Buffer 3: 2 ml; -20°C 4x HDM Incomplete assay buffer: 1 ml; -20°C 4x Detection buffer: 2 ml; -20°C