**Alpha SureFire® Ultra™ Multiplex**

p-Rb (Thr821/826) + Total Rb Assay Kit

*MPSU-PTRB-N500, MPSU-PTRB-N10K, MPSU-PTRB-N50K, MPSU-PTRB-N-HV*

**Kit-Specificity Information**

This assay kit contains antibodies which recognize the phospho Thr821/826 epitope, and invariant epitopes on retinoblastoma tumor suppressor protein (Rb), plus antibodies to measure the total levels of Rb. The protein detected by this kit corresponds to UniProt ID P06400. Rb is also known as RB transcriptional corepressor 1. These antibodies recognize Rb of human origin. Other species should be tested on a case-by-case basis.

**Control Lysate Information**

Positive Control Lysate: Prepared from Jurkat cells cultured in T175 flasks to approximately 1X10^6 cells/mL in 10% FBS containing medium, then treated with 1.25 mM Pervanadate for 30 minutes and lysed at 3.2 x 10^6 cells/mL with 1X SureFire Ultra Lysis buffer.

**Representative Data**

Data obtained with a 2-plate, 2-incubation protocol. THP-1 cells seeded into a 24 well plate at 2 million cells/mL and treated for 24 h with a dose range of Palbociclib. Cells were harvested, rinsed and lysed in SureFire Ultra Lysis Buffer. Lysates were screened for Phospho (Ser821/826) and Total Rb in the same wells of an assay plate by Alpha SureFire Ultra Multiplex. Equivalent to approximately 20,000 cells/datapoint.

![Graph](image)