

Alpha SureFire® Ultra™ Multiplex

Human p-Rb (Thr821/826) + Total Rb Detection Kit

Product number: MPSU-PTRB-N500, MPSU-PTRB-N10K,
MPSU-PTRB-N50K, MPSU-PTRB-N-HV



Kit specificity:

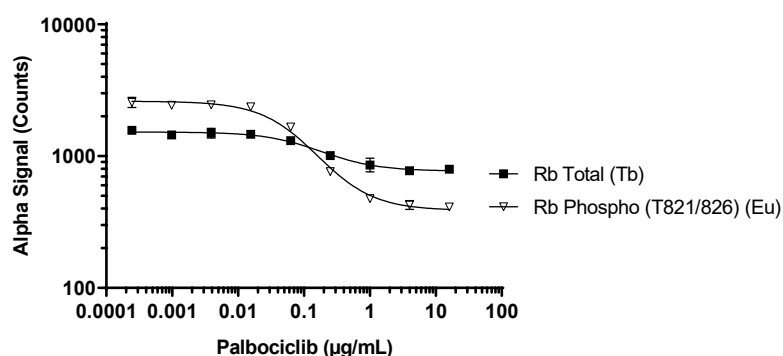
This assay kit contains antibodies which recognize the phospho-Thr821/826 epitope and a distal epitope on Rb, plus antibodies to detect Total Rb. The protein detected by this kit corresponds to UniProt ID P06400. Rb is also known as Retinoblastoma-associated protein and p110-RB1. These antibodies recognize 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 10% FBS containing media. Cells were harvested and washed with HBSS + 0.1% BSA, adjusted to 4×10^6 cells/mL and lysed with the addition of 5X Lysis Buffer.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 2×10^6 cells/mL in a 24 well plate and incubated for 20 minutes. Cells were treated with Palbociclib at the indicated concentrations for 24 hours. Cells were then washed with HBSS + 0.1% BSA, lysed with Lysis Buffer and assayed for Phospho (Thr821/826) and Total Rb in the same wells of an assay plate using the *SureFire Ultra* Multiplex kit. Equivalent to approximately 20,000 cells/datapoint.



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