

AlphaLISA™ SureFire® Biotin Free

Human and Mouse p-Rb (Thr373) Detection Kit

Product number: ASBF-PRB-E500, ASBF-PRB-E10K,
ASBF-PRB-E50K, ASBF-PRB-E-HV



Kit specificity:

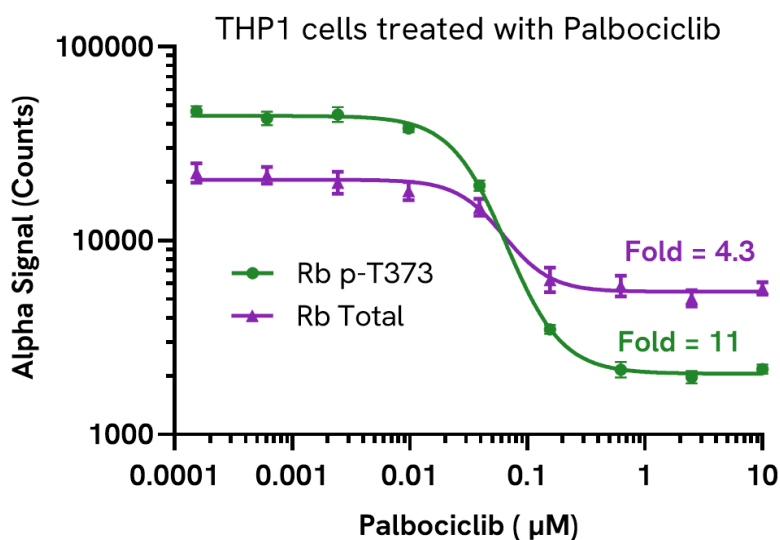
This assay kit contains antibodies which recognize the phospho-Thr373 epitope and a distal epitope on retinoblastoma tumor suppressor protein (Rb). The protein detected by this kit corresponds to UniProt ID P06400. Rb is also known as p105-Rb and p110-RB1. These antibodies recognize Rb of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

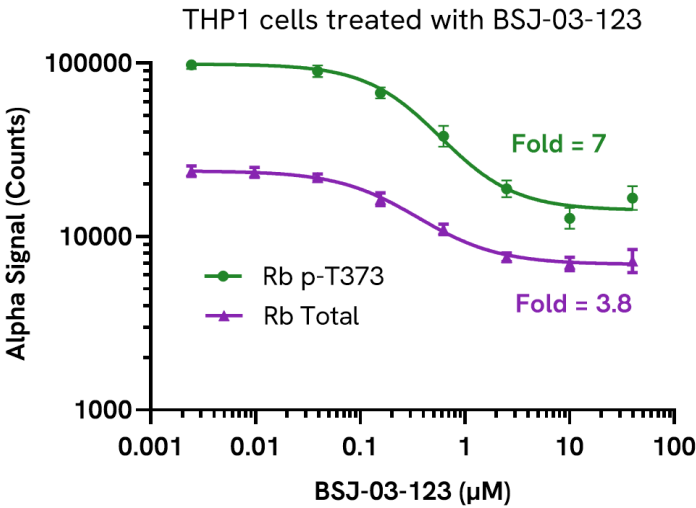
Positive Control Lysate: Prepared from Jurkat cells cultured in 10% FBS containing media. Cells were harvested and washed with HBSS + 0.1% BSA, adjusted to 4×10^6 cells/mL and lysed with the addition of 5X Lysis Buffer.

Representative data:

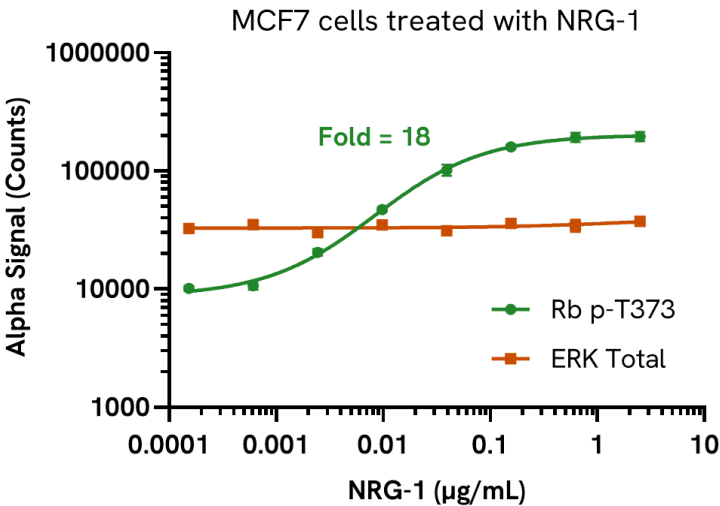
Data obtained with a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 200K cells/well in a 96 well plate in complete RPMI 1640 medium and treated with Palbociclib at the indicated concentrations for 24 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Thr373) and Total Rb using respective SureFire Biotin Free kits. Equivalent to approximately 5,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 200K cells/well in a 96 well plate in complete RPMI 1640 medium and treated with BSJ-03-123 (CDK6 PROTAC) at the indicated concentrations for 24 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Thr373) and Total Rb using respective *SureFire* Biotin Free kits. Equivalent to approximately 5,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. MCF7 cells were seeded at 40K cells/well in a 96 well plate in complete medium and incubated overnight. Cells were treated with 5 µM LY294002 for 3 hours and then with NRG1 at the indicated concentrations for 24 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Thr373) Rb and Total ERK using respective *SureFire* Biotin Free kits. Equivalent to approximately 2,000 cells/datapoint.



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