

AlphaLISA® SureFire® Ultra™

Human Ki-67 Total Detection Kit

Product number: ALSU-TKI67-A500, ALSU-TKI67-A10K,
ALSU-TKI67-A50K, ALSU-TKI67-A-HV



Kit specificity:

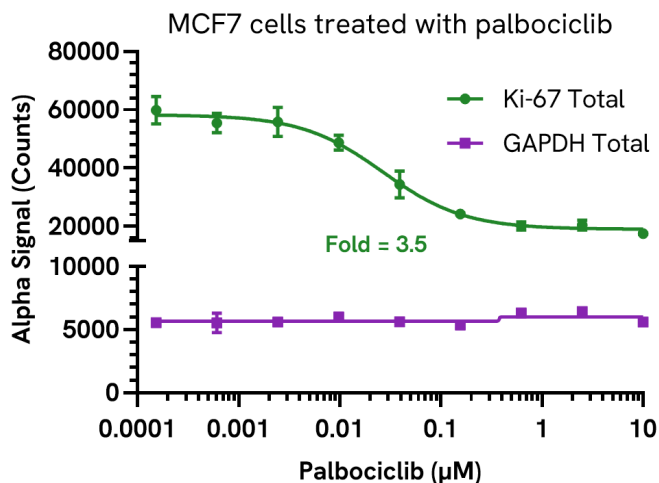
This assay kit contains antibodies which recognize distinct epitopes on Ki-67. The protein detected by this kit corresponds to UniProt ID P46013. Ki-67 is also known as MKI67 and marker of proliferation Ki-67. These antibodies recognize Ki-67 of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

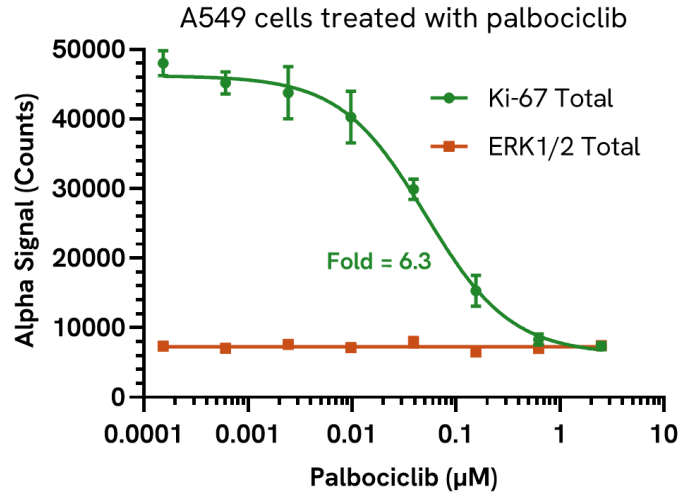
Positive Control Lysate: Prepared from A549 cells, cultured to confluence in T175 flasks in 10% FBS containing media and lysed with 8 mL of Lysis Buffer.

Representative data:

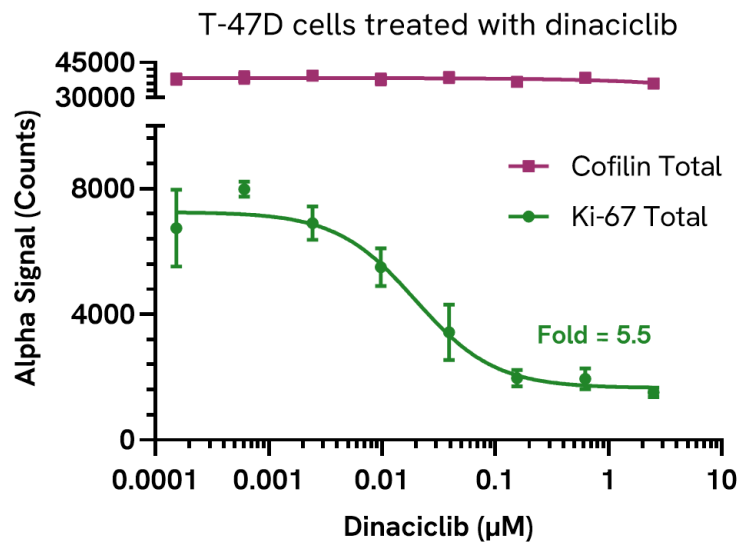
Data obtained with a 2-plate, 2-incubation protocol. MCF7 cells were seeded at 40K cells/well in a 96-well plate and incubated overnight. Cells were treated with the indicated concentrations of Palbociclib for 24 hours. Cells were lysed with Lysis Buffer and assayed separately for Total Ki-67 and Total GAPDH using respective *SureFire Ultra* kits. Equivalent to approximately 2,000 cells/datapoint.



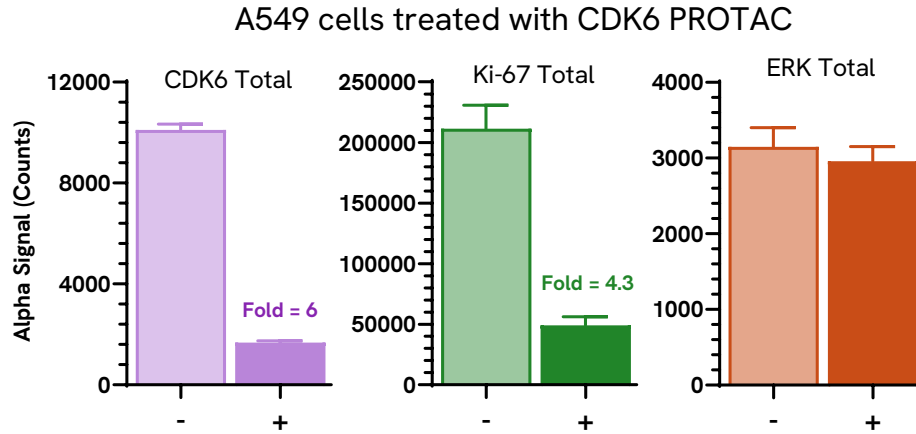
Data obtained with a 2-plate, 2-incubation protocol. A549 cells were seeded at 20K cells/well in a 96-well plate and incubated overnight. Cells were treated with the indicated concentrations of Palbociclib for 24 hours. Cells were lysed with Lysis Buffer and diluted cell lysate was assayed separately for Total Ki-67 and Total ERK using respective *SureFire Ultra* kits. Equivalent to approximately 800 cells/datapoint.



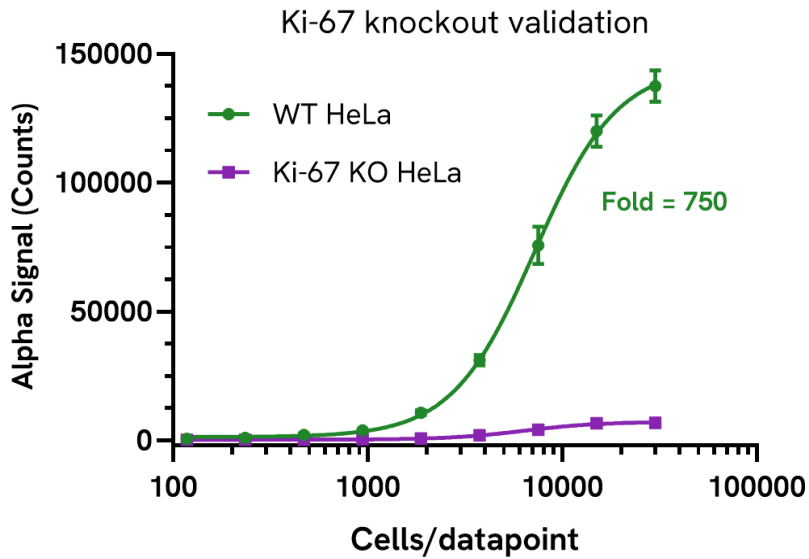
Data obtained with a 2-plate, 2-incubation protocol. T-47D cells were seeded at 60K cells/well in a 96-well plate and incubated overnight. Cells were treated with the indicated concentrations of Dinaciclib for 24 hours. Cells were lysed with Lysis Buffer and assayed separately for Total Ki-67 and Total Cofilin using respective *SureFire Ultra* kits. Equivalent to approximately 12,000 cells/datapoint for Ki-67 Total and 240 cells/datapoint for Cofilin Total.



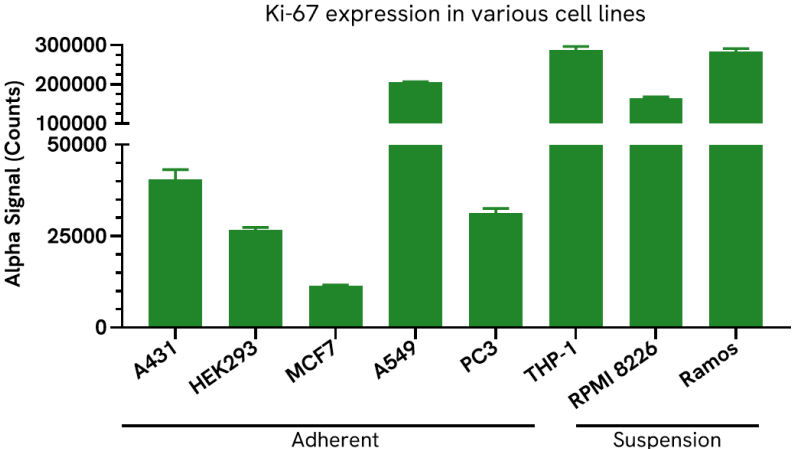
Data obtained with a 2-plate, 2-incubation protocol. A549 cells were seeded at 20K cells/well in a 96-well plate and incubated overnight. Cells were treated with CDK6 PROTAC BSJ-03-123 at 10 μ M for 24 hours. Cells were lysed with Lysis Buffer and assayed separately for Total Ki-67, Total CDK6 and Total ERK using respective *SureFire Ultra* kits. Equivalent to approximately 2,000 cells/datapoint.



HeLa wild type (WT) and HeLa-Ki-67 knockout (KO) (Abcam, ab255407) cells were cultured to confluency in T175 flask. Each flask was lysed in 4 mL of Lysis Buffer and cell lysates were assayed for Total Ki-67 using the *SureFire Ultra* kit.



Data obtained from measurement of Ki-67 Total in various cell types lysed with Lysis Buffer. Equivalent to approximately 1,250 cells/datapoint for adherent cells and 4,000 cells/datapoint for suspension cells.



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