AlphaLISA™ *SureFire*® Biotin Free

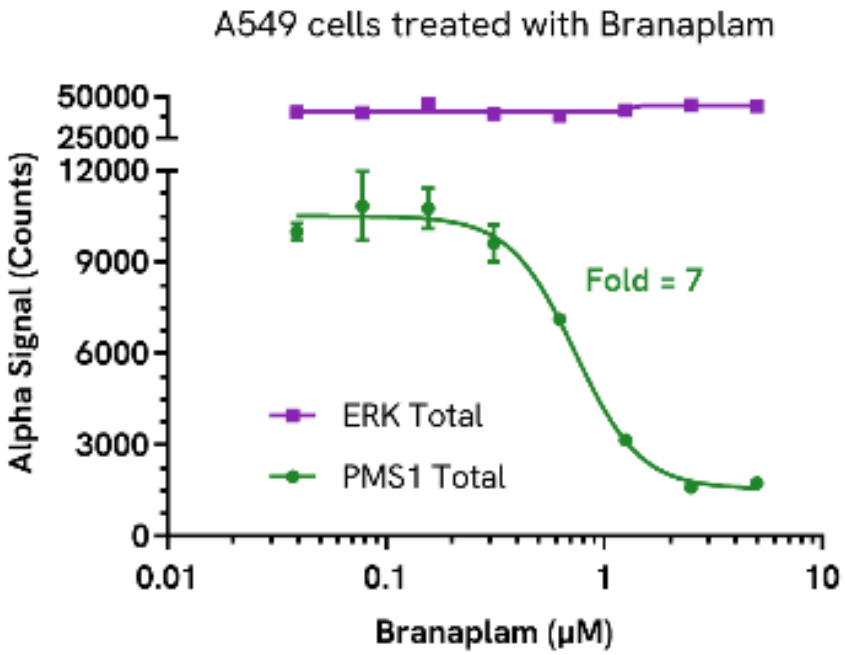
Human PMS1 Total Detection Kit

Product number: ASBF-TPMS1-A500, ASBF-TPMS1-A10K, ASBF-TPMS1-A50K, ASBF-TPMS1-A-HV

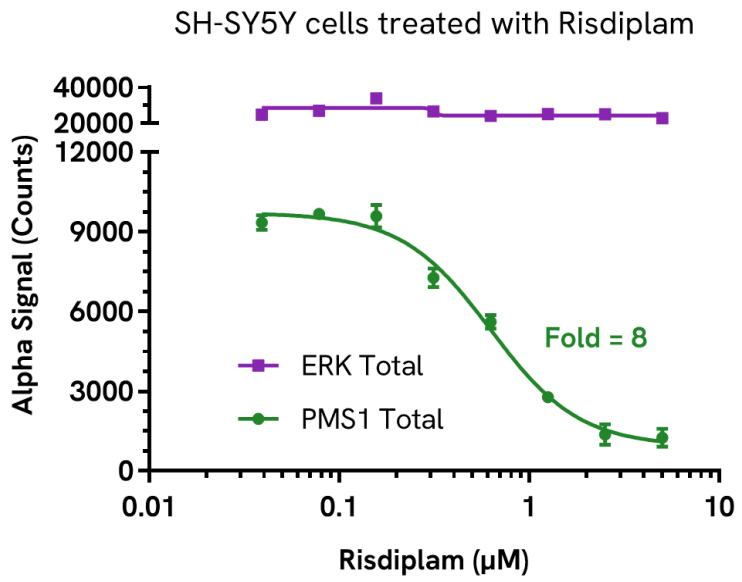
Kit specificity:
This assay kit contains antibodies which recognize distinct epitopes on PMS1. The protein detected by this kit corresponds to UniProt ID P54277. PMS1 is also known as DNA mismatch repair protein PMS1 and PMSL1. These antibodies recognize PMS1 Total of human origin. Other species should 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 medium and lysed with 2 mL of Lysis Buffer.

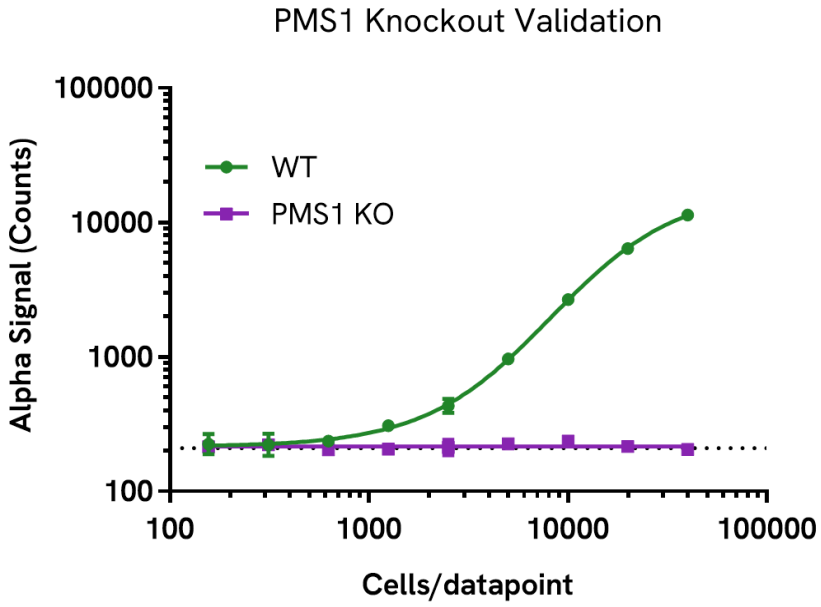
Representative data:
Data obtained with a 2-plate, 2-incubation protocol. A549 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with increasing concentrations of Branaplam for 24 hours. Cells were lysed with Lysis Buffer and assayed separately for Total PMS1 and ERK using respective *SureFire* Biotin Free kits. Equivalent to approximately 8,000 cells/datapoint or 4,000 cells/datapoint for ERK.



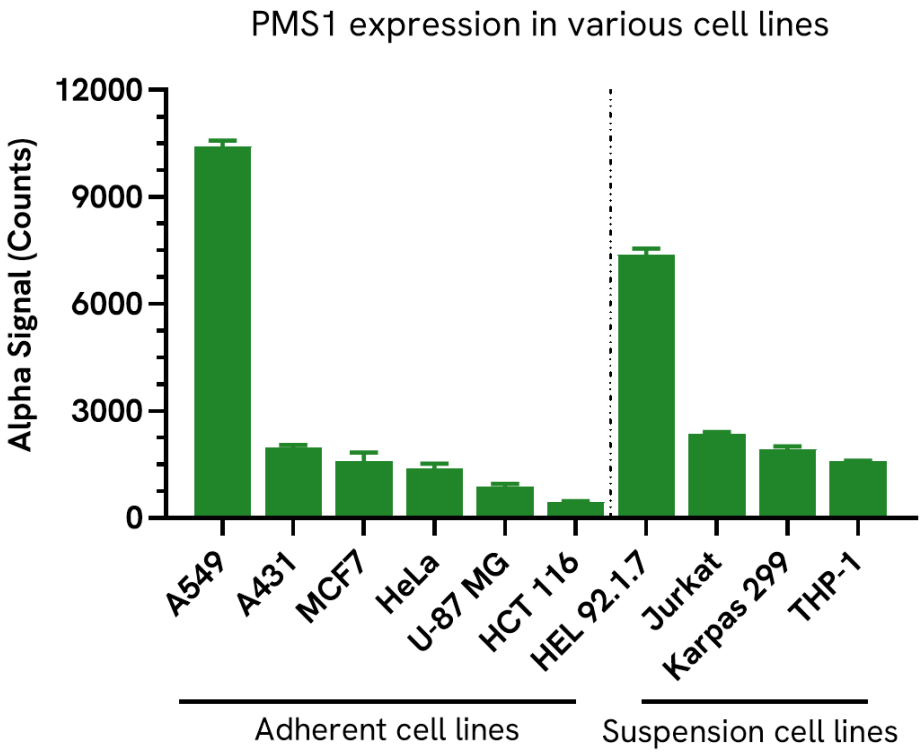
Data obtained with a 2-plate, 2-incubation protocol. SH-SY5Y cells were seeded at 50K cells/well in a 96 well plate and incubated overnight. Cells were treated with increasing concentrations of Risdiplam for 24 hours. Cells were lysed with Lysis Buffer and assayed separately for Total PMS1 and ERK using respective *SureFire* Biotin Free kits. Equivalent to approximately 10,000 cells/datapoint or 5,000 cells/datapoint for ERK.



Data obtained with a 2-plate, 2-incubation protocol. A549 wild type (WT) and PMS1 knockout (KO, Abcam ab324214) cells were harvested and lysed at 4 x10^6 cell/mL. Cell lysate was serially diluted in Lysis Buffer and assayed for Total PMS1 using the *SureFire* Biotin Free kit.



Data obtained from measurement of PMS1 Total in various cell types lysed with Lysis Buffer. Equivalent to approximately 20,000 cells/datapoint for adherent cells or 15,000 cells/datapoint for suspension cells.



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