

AlphaLISA® SureFire® Ultra™

Human and Mouse PLK1 Total Detection Kit

Product number: ALSU-TPLK1-A500, ALSU-TPLK1-A10K,
ALSU-TPLK1-A50K, ALSU-TPLK1-A-HV



Kit specificity:

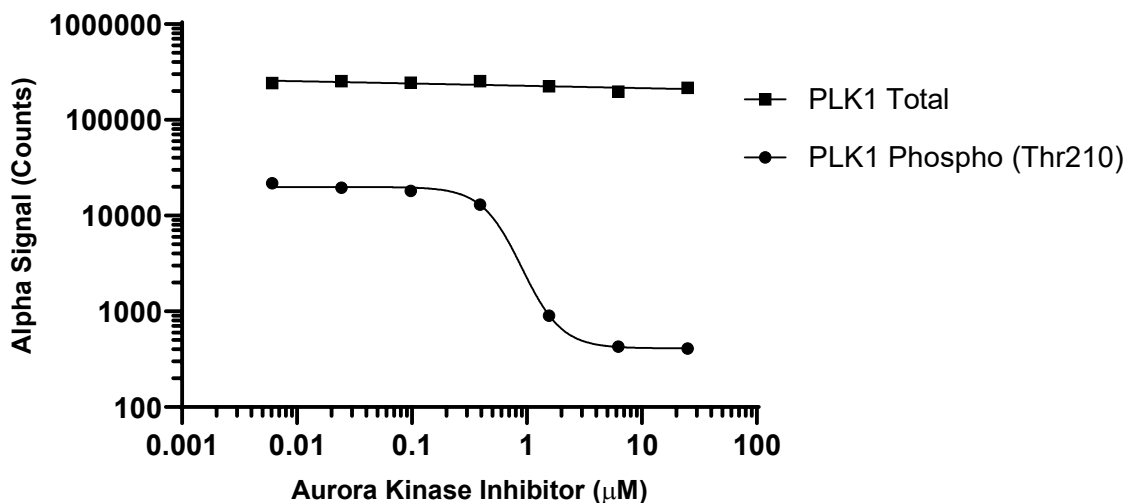
This assay kit contains antibodies which recognize distinct epitopes on PLK1. The protein detected by this kit corresponds to UniProt ID P53350. PLK1 is also known as Polo-like kinase 1 and STPK13. These antibodies recognize PLK1 of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

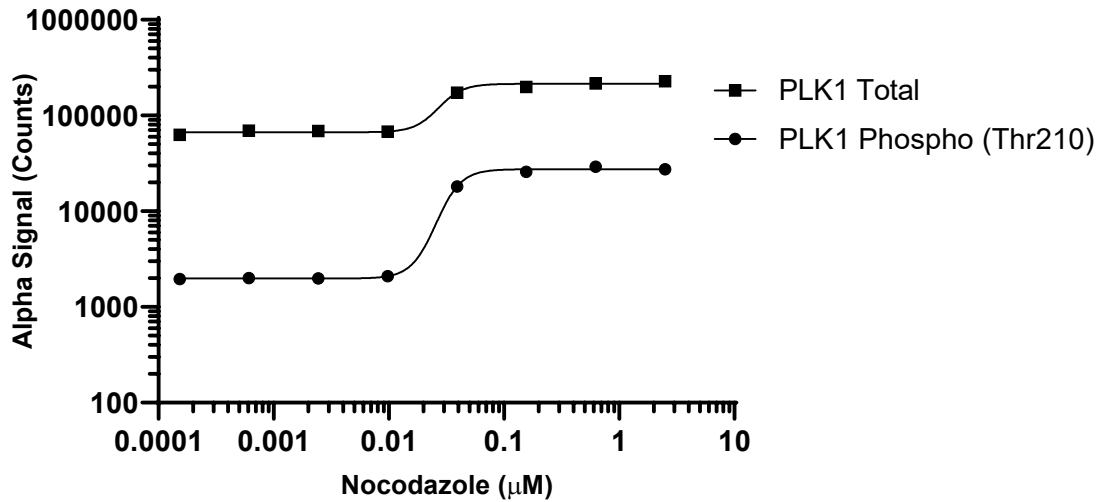
Positive Control Lysate: Prepared from HeLa cells, cultured to 90% confluence in T175 flasks in 10% FBS containing media, then treated with 2 μ M Nocodazole for 20 hours and lysed with 5 mL of Lysis Buffer.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. HeLa cells were seeded at 20K cells/well in a 96 well plate and incubated overnight. Cells were treated with 330 nM Nocodazole for 20 hours. Cells were then treated with Aurora Kinase Inhibitor at the indicated concentrations for 2 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Thr210) and Total PLK1, 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 40K cells/well in a 96 well plate and incubated overnight. Cells were then treated with Nocodazole at the indicated concentrations for 18 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Thr210) and Total PLK1, using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint.



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