

AlphaLISA® SureFire® Ultra™

Human and Mouse p-CDK1 (Thr161) Detection Kit

Product number: ALSU-PCDK1-C500, ALSU-PCDK1-C10K,
ALSU-PCDK1-C50K, ALSU-PCDK1-C-HV



Kit specificity:

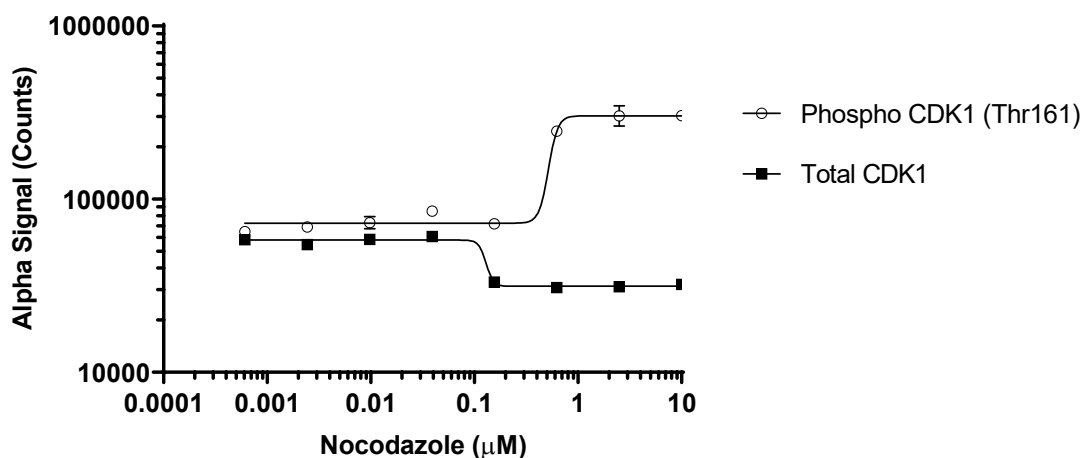
This assay kit contains antibodies which recognize the phospho-Thr161 epitope and a distal epitope on CDK1. The protein detected by this kit corresponds to UniProt ID P06493. CDK1 is also known as CDC2 and CDC28A. These antibodies recognize CDK1 of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

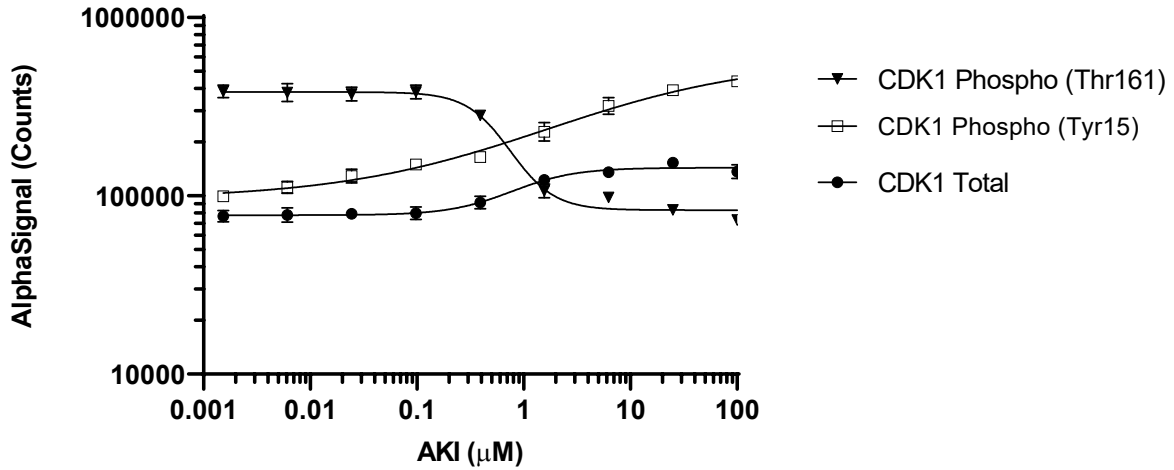
Positive Control Lysate: Prepared from HEK293 cells, cultured to confluence in T175 flasks in 10% FBS containing media and lysed with 10 mL of Lysis Buffer.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. A549 cells were seeded at 20K cells/well and incubated overnight. Cells were treated with Nocodazole at the indicated concentrations for 18 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Thr161) and Total CDK1 using respective *SureFire Ultra* kits. Equivalent to approximately 1,000 cells/datapoint.



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 18 hours. Treatment was removed and cells were treated for another 2 hours with Aurora Kinase Inhibitor I at the indicated concentrations. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Thr161, Tyr15) and Total CDK1 using respective *SureFire Ultra* kits. Equivalent to approximately 1,000 cells/datapoint.



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