

AlphaLISA® SureFire® Ultra™

Human and Mouse p-CDK1 (Tyr15) Detection Kit

Product number: ALSU-PCDK1-B500, ALSU-PCDK1-B10K,
ALSU-PCDK1-B50K, ALSU-PCDK1-B-HV



Kit specificity:

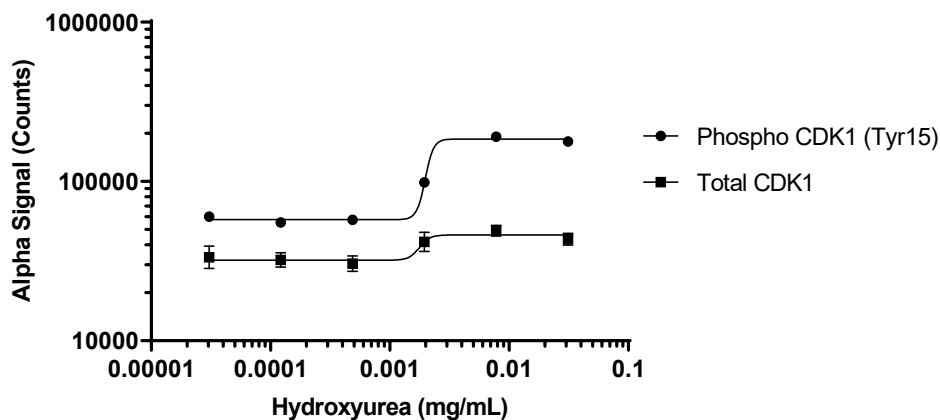
This assay kit contains antibodies which recognize the phospho-Tyr15 epitope and a distal epitope on CDK1. The protein detected by this kit corresponds to UniProt ID P06493. CDK1 is also known as CDC2 and CDC28A. These antibodies recognize CDK1 of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

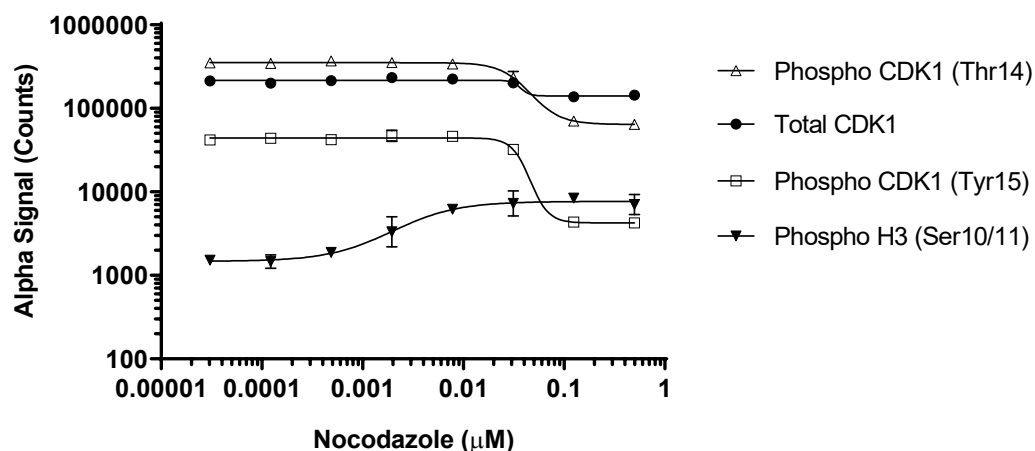
Positive Control Lysate: Prepared from HEK293 cells, cultured to confluence in T175 flasks in 10% FBS containing media and lysed with 10 mL of Lysis Buffer.

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 Hydroxyurea at the indicated concentrations for 18 hours in serum free media. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Tyr15) and Total CDK1 using respective *SureFire Ultra* kits. Equivalent to approximately 1,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. A549 cells were seeded at 40K cells/well and incubated overnight. Cells were treated with Nocodazole at the indicated concentrations for 18 hours in serum free media. Cells were lysed with Lysis Buffer and lysates were further diluted 1:10 in Lysis Buffer before assayed for various targets. Equivalent to approximately 2,000 cells/datapoint.



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