

AlphaLISA™ SureFire® Biotin Free

Human p-CDK1 (Thr14) Detection Kit

Product number: ASBF-PCDK1-A500, ASBF-PCDK1-A10K,
ASBF-PCDK1-A50K, ASBF-PCDK1-A-HV



Kit specificity:

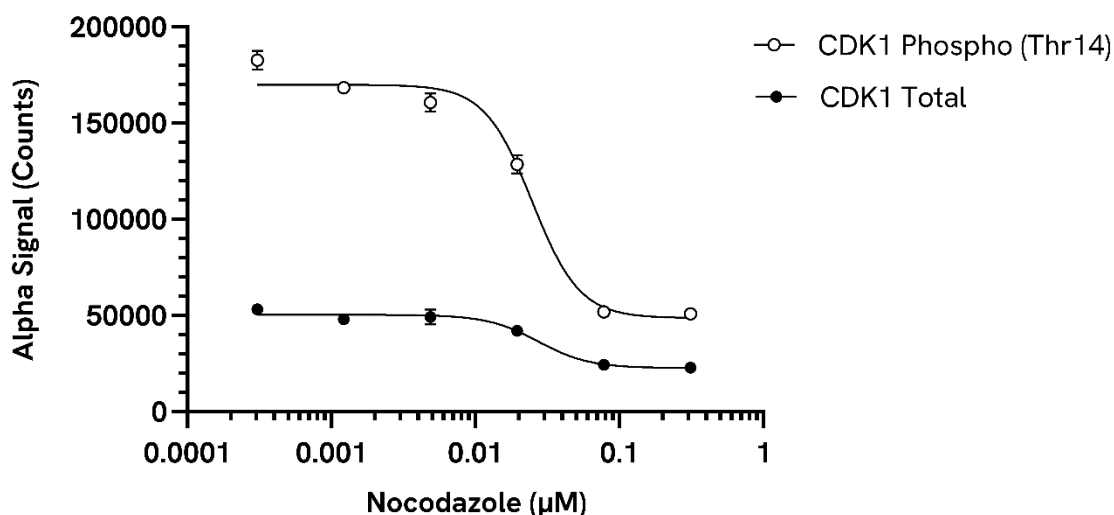
This assay kit contains antibodies which recognize the phospho-Thr14 epitope and a distal epitope on Cyclin-dependent kinase 1 (CDK1). The protein detected by this kit corresponds to UniProt ID P06493. CDK1 is also known as Cell division control protein 2 homolog and p34 protein kinase. These antibodies recognize CDK1 of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

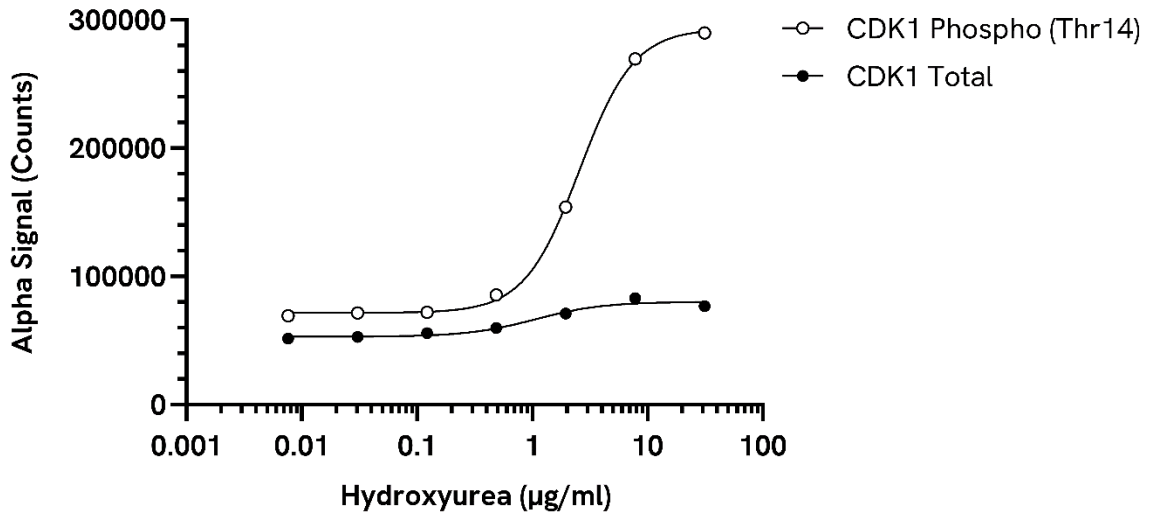
Positive Control Lysate: Prepared from HEK293 cells, cultured to confluence in T175 flasks in 10% FBS containing medium and lysed with 10 mL of Lysis Buffer.

Representative data:

Data obtained with a 2-plate, 2-incubation protocol. Jurkat cells were seeded at 200K cells/well in a 96-well plate in complete RPMI 1640 medium and treated with Nocodazole at the indicated concentrations for 18 hours. Cells were lysed with the addition of 5X Lysis Buffer and assayed separately for Phospho (Thr14) and Total CDK1 using respective SureFire Biotin Free kits. Equivalent to approximately 2,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. MOLT-4 cells were seeded at 200K cells/well in a 96-well plate in complete RPMI 1640 medium and treated with Hydroxyurea at the indicated concentrations for 18 hours. Cells were lysed with the addition of 5X Lysis Buffer and assayed separately for Phospho (Thr14) and Total CDK1 using respective *SureFire* Biotin Free kits. Equivalent to approximately 2,000 cells/datapoint.



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