

AlphaLISA® SureFire® Ultra™

Human and Mouse p-CHK1 (Ser345) Detection Kit

Product number: ALSU-PCHK1-A500, ALSU-PCHK1-A10K,
 ALSU-PCHK1-A50K, ALSU-PCHK1-A-HV



Kit specificity:

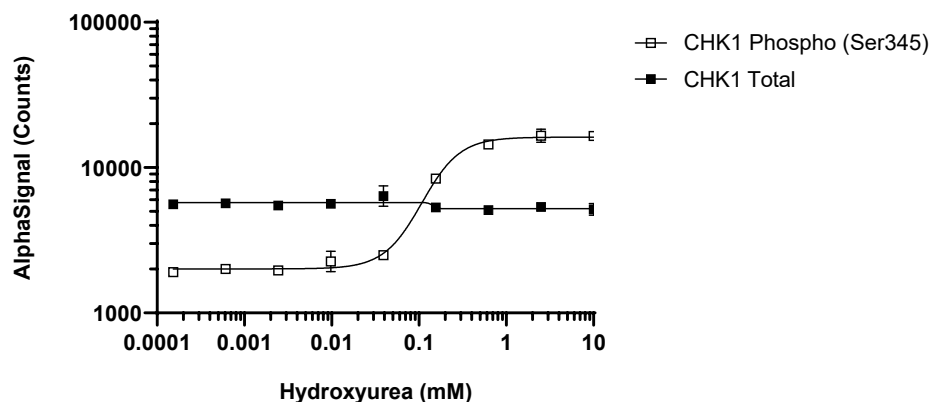
This assay kit contains antibodies which recognize the phospho-Ser345 epitope, and a distal epitope on CHK1. The protein detected by this kit corresponds to UniProt ID O14757. CHK1 is also known as Checkpoint kinase-1 and CHEK1. These antibodies recognize CHK1 of human and mouse origin. Other species 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, treated with 5 mM Hydroxyurea for 2 hours and lysed with 4 mL of Lysis Buffer.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. HEK293 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with Hydroxyurea at the indicated concentrations for 2 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser345) and Total CHK1 using respective *SureFire Ultra* assay kits. Equivalent to approximately 4,000 cells/datapoint.



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