

AlphaLISA™ SureFire® Biotin Free

Human Cyclin E1 Total Detection Kit

Product number: ASBF-TCYCE1-A500, ASBF-TCYCE1-A10K,
ASBF-TCYCE1-A50K, ASBF-TCYCE1-A-HV



Kit specificity:

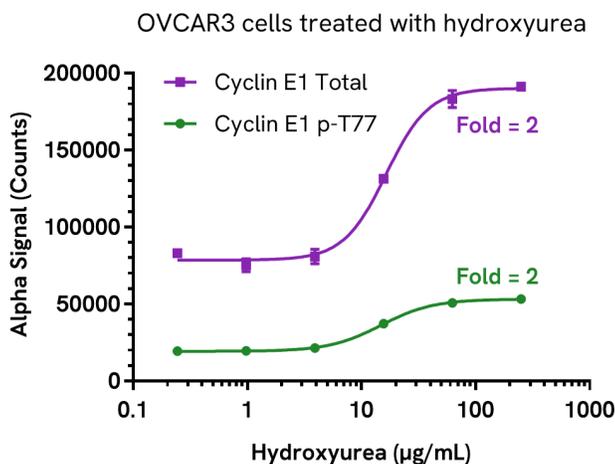
This assay kit contains antibodies which recognize distinct epitopes on Cyclin E1. The protein detected by this kit corresponds to UniProt ID P24864. Cyclin E1 is also known as G1/S-specific cyclin E1 and CCNE1. These antibodies recognize Cyclin E1 of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

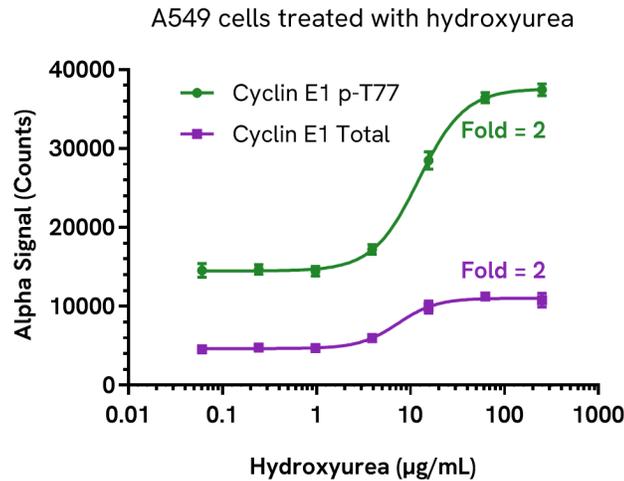
Positive Control Lysate: Prepared from BeWo cells, cultured to confluence in T175 flasks in 10% FBS containing media and lysed with 3 mL of Lysis Buffer.

Representative data:

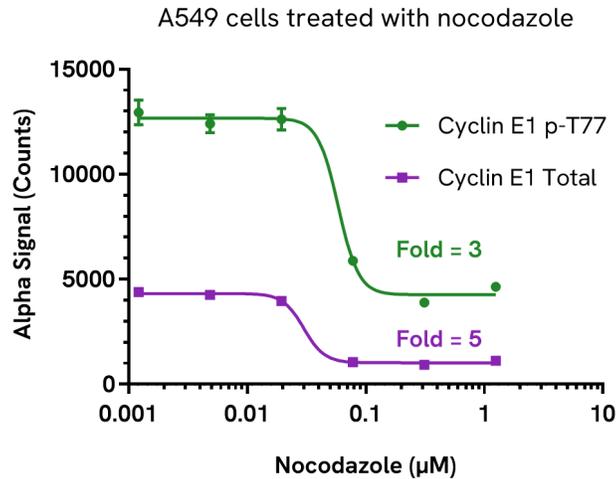
Data obtained with a 2-plate, 2-incubation protocol. OVCAR3 cells were seeded at 40K cells/well in a 96-well plate and incubated overnight. Cells were treated with increasing concentrations of hydroxyurea for 18 hours in media containing 20% FBS and 10 µg/mL insulin. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Thr77) and Total Cyclin E1 levels using respective SureFire Biotin Free kits. Equivalent to approximately 4,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. A549 cells were seeded at 20K cells/well in a 96-well plate and incubated overnight. Cells were treated with increasing concentrations of hydroxyurea for 18 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Thr77) and Total Cyclin E1 levels using respective *SureFire* Biotin Free kits. Equivalent to approximately 4,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. A549 cells were seeded at 20K cells/well in a 96-well plate and incubated overnight. Cells were treated with increasing concentrations of nocodazole for 18 hours. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Thr77) and Total Cyclin E1 levels using respective *SureFire* Biotin Free kits. Equivalent to approximately 4,000 cells/datapoint.



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