AlphaLISA® *SureFire® Ultra™*

Human p-CDC25C (Ser216) Detection Kit

Product number: ALSU-PCDC25-A500, ALSU-PCDC25-A10K, ALSU-PCDC25-A50K, ALSU-PCDC25-A-HV

TGR BioSciences

Kit specificity:

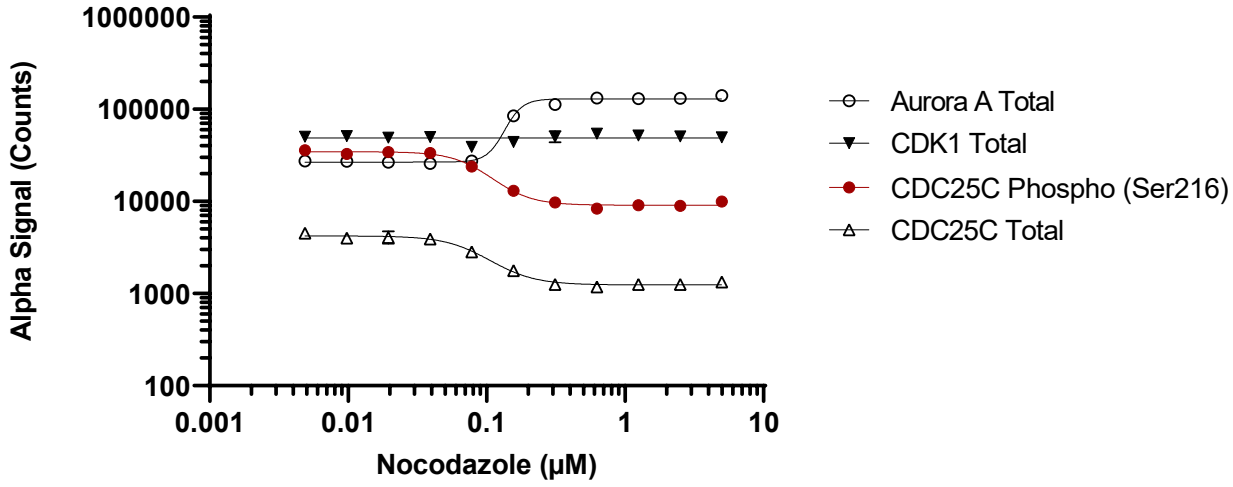
This assay kit contains antibodies which recognize the phospho-Ser216 epitope and a distal epitope on CDC25C. The protein detected by this kit corresponds to UniProt ID P30307. CDC25C is also known as cell division cycle 25C. These antibodies recognize CDC25C of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

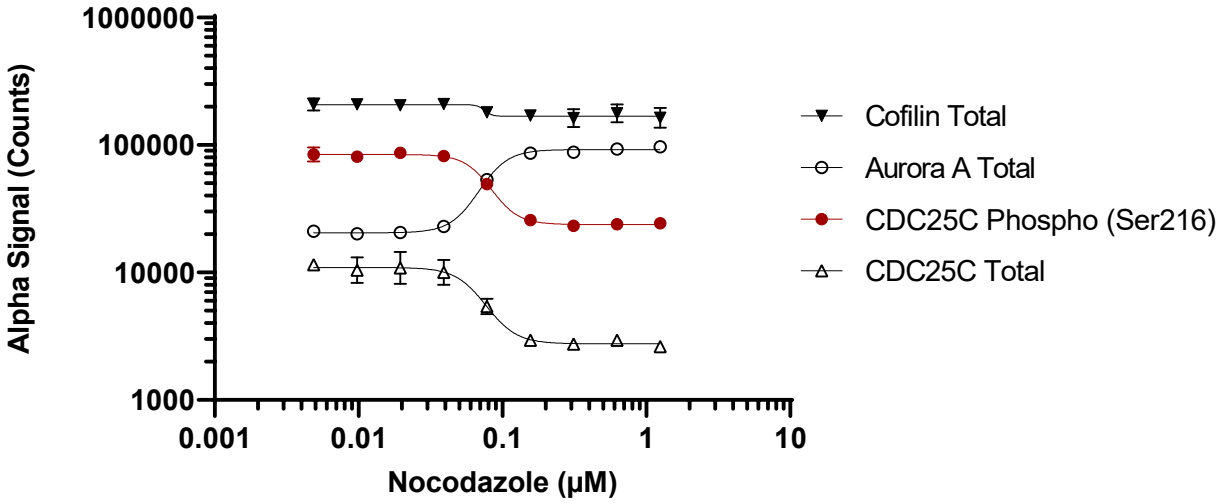
Positive Control Lysate: Prepared from HEK293 cells, cultured to confluence in T175 flasks in 10% FBS containing medium, lysed with 5 mL of Lysis Buffer.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. A549 cells were seeded at 20K cells/well in a 96 well plate and incubated for 48 hours. Cells were treated with Nocodazole at the indicated concentrations for 18 hours. Cells were lysed with Lysis Buffer and assayed separately for various targets using respective *SureFire Ultra* kits. Equivalent to approximately 2,000 cells/datapoint for Phospho (Ser216) CDC25C & Total Aurora A, 200 cells/datapoint for Total CDK1 and 400 cells/datapoint for Total CDC25C.



Data obtained with a 2-plate, 2-incubation protocol. A431 cells were seeded at 20K cells/well in a 96 well plate and incubated for 48 hours. Cells were treated with Nocodazole at the indicated concentrations for 18 hours. Cells were lysed with Lysis Buffer and assayed separately for various targets using respective *SureFire Ultra* kits. Equivalent to approximately 2,000 cells/datapoint for Phospho (Ser216) CDC25C & Total Aurora A, 100 cells/datapoint for Total Cofilin and 400 cells/datapoint for Total CDC25C



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