AlphaLISA® *SureFire® Ultra™*

Human Cyclin D2 Total Detection Kit

Product number: ALSU-TCYCD2-A500, ALSU-TCYCD2-A10K, ALSU-TCYCD2-A50K, ALSU-TCYCD2-A-HV

Kit specificity:

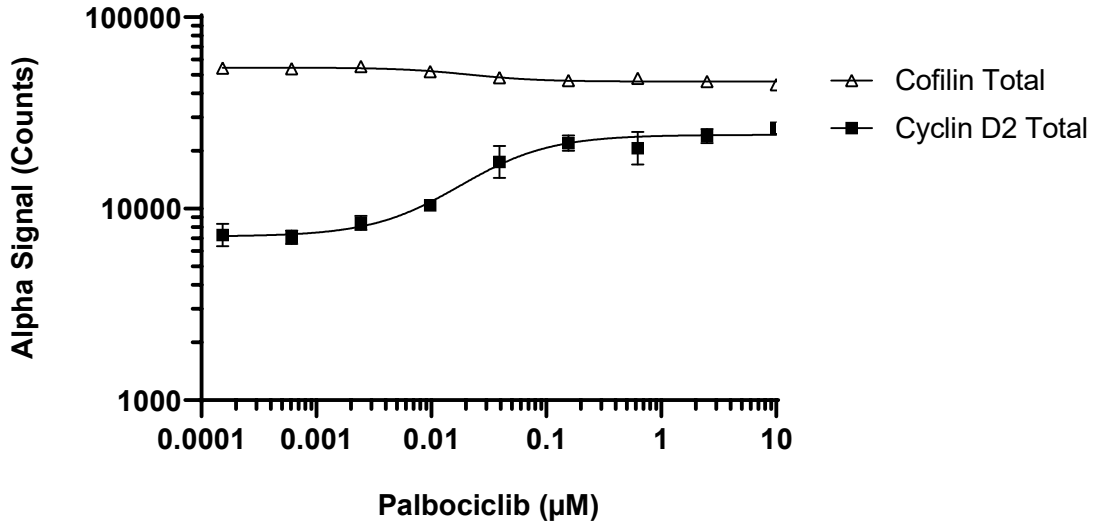
This assay kit contains antibodies which recognize distinct epitopes on Cyclin D2. The protein detected by this kit corresponds to UniProt ID P30279. Cyclin D2 is also known as G1/S-specific cyclin-D2. These antibodies recognize Cyclin D2 of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

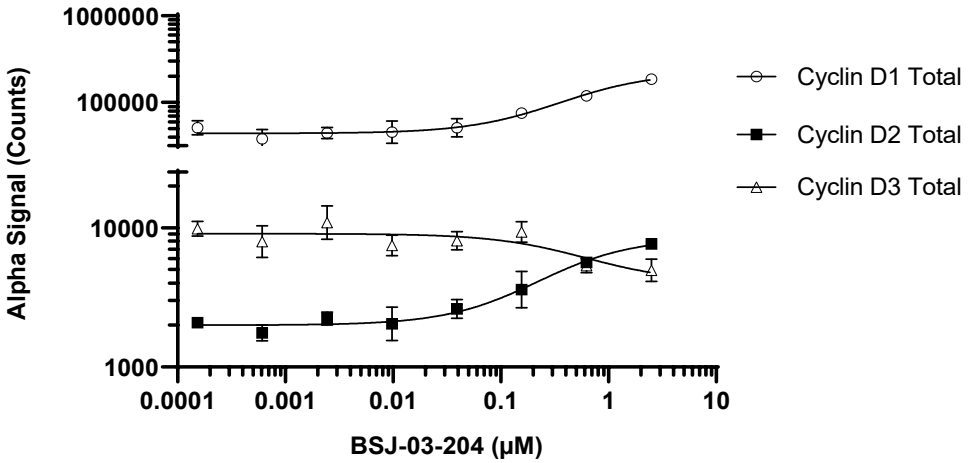
Positive Control Lysate: Prepared from RT-4 cells, cultured to confluence in T175 flasks in 10% FBS containing medium, lysed with 4mL of Lysis Buffer.

Representative data

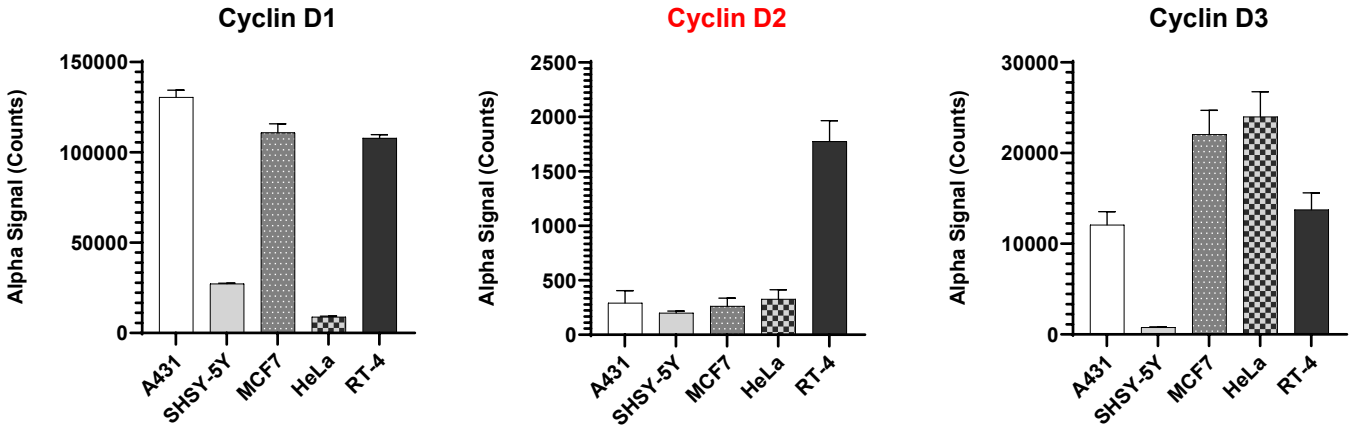
Data obtained with a 2-plate, 2-incubation protocol. RT-4 cells were seeded at 60K cells/well in a 96 well plate and incubated overnight. Cells were treated with Palbociclib at the indicated concentrations for 24 hours. Cells were lysed with Lysis Buffer and assayed separately for Total Cyclin D2 and Cofilin using respective *SureFire Ultra* kits. Equivalent to approximately 6,000 cells/datapoint for Total Cyclin D2 and 120 cells/datapoint for Total Cofilin.



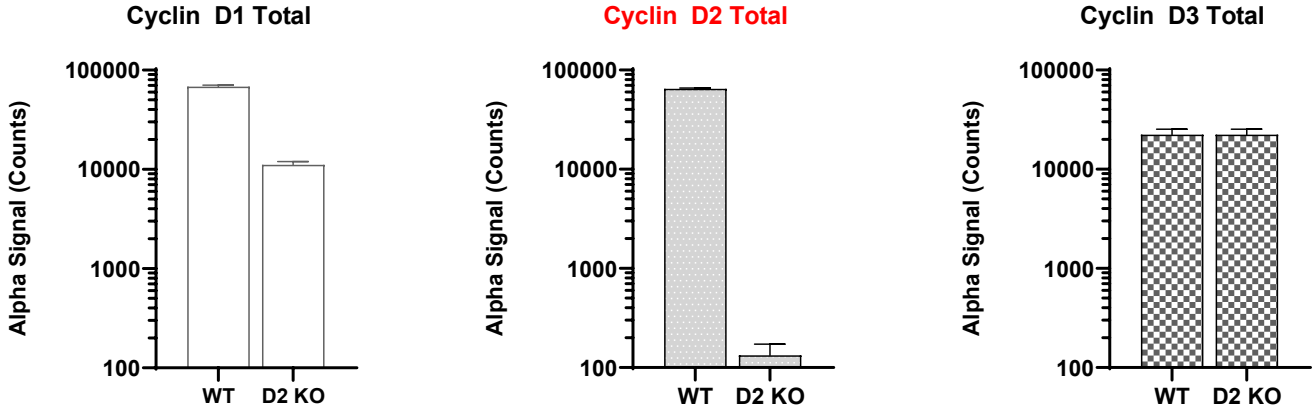
Data obtained with a 2-plate, 2-incubation protocol. RT-4 cells were seeded at 30K cells/well in a 96 well plate and incubated overnight. Cells were treated with BSJ-03-204 at the indicated concentrations for 24 hours. Cells were lysed with Lysis Buffer and assayed separately for various targets using respective *SureFire Ultra* kits. Equivalent to approximately 3,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. Various cell lines were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were lysed with Lysis Buffer and assayed separately for Cyclin D1, Cyclin D2 and Cyclin D3 using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint.



Data obtained from cell lysates prepared from HEK293T-Wild type (WT) and HEK293T-Cyclin D2 Knockout (KO) cell lines. Both cell lines were cultured to confluence in T175 flasks in 10% FBS containing medium. Cells were lysed with Lysis Buffer and assayed for Cyclin D1, Cyclin D2 and Cyclin D3 using respective *SureFire Ultra* kits. Equivalent to approximately 25,000 cells/datapoint.



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