

AlphaLISA™ SureFire® Biotin Free

Human CDK6 Total Detection Kit

Product number: ASBF-TCDK6-A500, ASBF-TCDK6-A10K,
ASBF-TCDK6-A50K, ASBF-TCDK6-A-HV



Kit specificity:

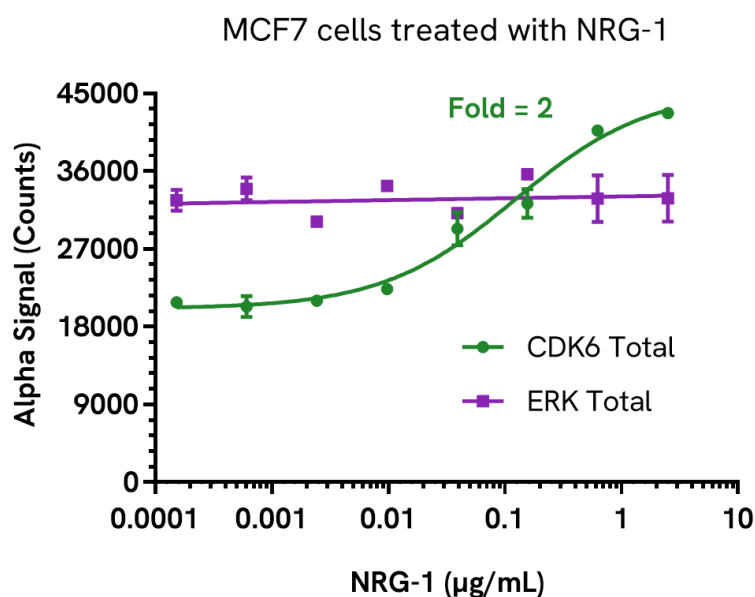
This assay kit contains antibodies which recognize distinct epitopes on CDK6. The protein detected by this kit corresponds to UniProt ID Q00534. CDK6 is also known as cyclin-dependent-like kinase 6. These antibodies recognize CDK6 of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

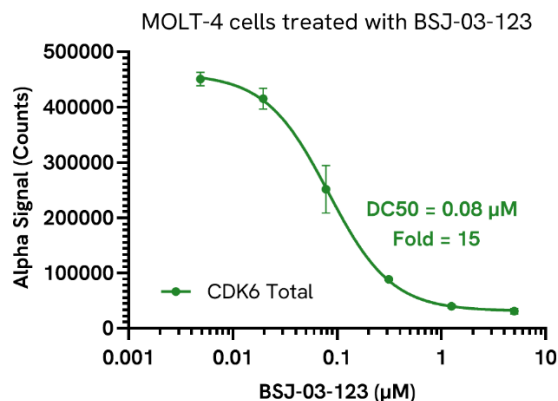
Positive Control Lysate: Prepared from MOLT-4 cells cultured in 10% FBS containing media. Cells were washed in HBSS + 0.1% BSA, spun down at 300 RCF for 5 minutes and then lysed in Lysis Buffer at 2×10^6 cells/mL.

Representative data:

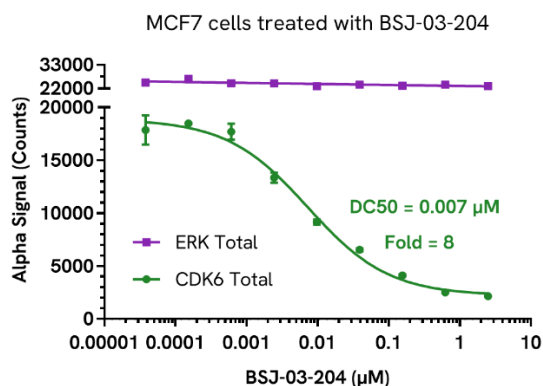
Data obtained with a 2-plate, 2-incubation protocol. MCF7 cells were seeded at 40K cells/well in a 96-well plate and incubated overnight. Cells were treated with 5 μ M LY294002 (PI3K inhibitor) for 3 hours and then with increasing concentrations of Neuregulin-1 (NRG-1) for 24 hours in serum free media. Cells were lysed with Lysis Buffer and assayed separately for Total CDK6 and ERK 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 50K cells/well in a 96-well plate and then treated with increasing concentrations of BSJ-03-123 (CDK6 PROTAC) for 24 hours. Cells were lysed with Lysis Buffer and assayed for Total CDK6 using the *SureFire* Biotin Free kit. Equivalent to approximately 5,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. MCF7 cells were seeded at 40K cells/well in a 96-well plate and incubated overnight. Cells were treated with increasing concentrations of BSJ-03-204 (CDK4/6 PROTAC) for 24 hours. Cells were lysed with Lysis Buffer and assayed separately for Total CDK6 and ERK using respective *SureFire* Biotin Free kits. Equivalent to approximately 8,000 cells/datapoint or 2,000 for ERK.



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