AlphaLISA™ *SureFire*® Biotin Free

Human and Mouse p-Histone H3 (Ser10/Thr11) Detection Kit

Product number: ASBF-PHISH3-A500, ASBF-PHISH3-A10K, ASBF-PHISH3-A50K, ASBF-PHISH3-A-HV

Kit specificity:

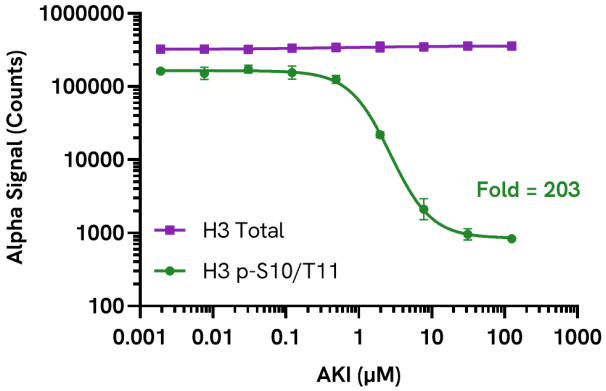
This assay kit contains antibodies which recognize the phospho-Ser10/Thr11 epitope and a distal epitope on Histone H3. The protein detected by this kit corresponds to UniProt ID P68431. Histone H3 is also known as Histone H3.1. These antibodies recognize Histone H3 of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

Positive Control Lysate: Prepared from U2OS cells, cultured to confluence in T175 flasks in 10% FBS containing medium, then treated with 10 µM Nocodazole for 16 hours and lysed with 120 mL of Lysis Buffer C.

Representative data:

Data obtained with a 2-plate, 2-incubation protocol. U2OS cells were seeded at 1K cells/well in a 96 well plate and incubated overnight. Cells were treated with Aurora Kinase Inhibitor at the indicated concentrations for 30 minutes, then treated with 100 nM Nocodazole for 16 hours. Cells were lysed with Lysis Buffer C and assayed separately for Phospho (Ser10/Thr11) and Total Histone H3 using respective *SureFire* Biotin Free kits. Equivalent to approximately 100 cells/datapoint.



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