

AlphaLISA® SureFire® Ultra™

Human p-ATM (Ser1981) Detection Kit

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



Kit specificity:

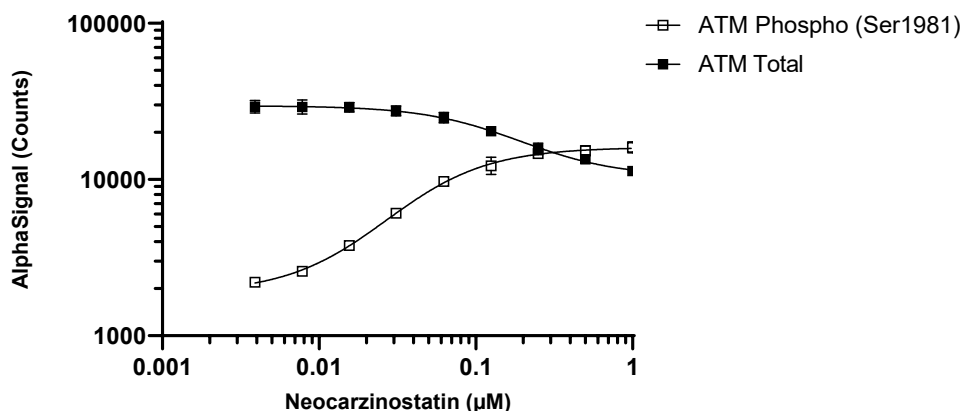
This assay kit contains antibodies which recognize the phospho-Ser1981 epitope and a distal epitope, on ATM. The protein detected by this kit corresponds to UniProt ID Q13315. ATM is also known as Serine-protein kinase ATM. These antibodies recognize ATM of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

Positive Control Lysate: Prepared from THP 1 cells cultured in 10% FBS containing media. Cells were harvested, washed with HBSS + 0.1% BSA, adjusted to 8×10^6 cells/mL and then treated with 0.75 μM Neocarzinostatin for 90 minutes. Cells were lysed with the addition of 5X Lysis Buffer.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. THP1 cells were harvested, washed, and seeded at 8×10^6 cells/mL in HBSS + 5% FBS, in a 96 well plate. Cells were treated on the same day with Neocarzinostatin at indicated concentrations for 90 minutes. Cells were lysed with the addition of 5X Lysis Buffer. Assayed separately for Phospho (Ser1981) and Total ATM using respective *SureFire Ultra* kits. Equivalent to approximately 16,000 cells/datapoint.



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