AlphaLISA® *SureFire® Ultra™*

Human p-STING (Ser366) Detection Kit

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

Kit specificity:

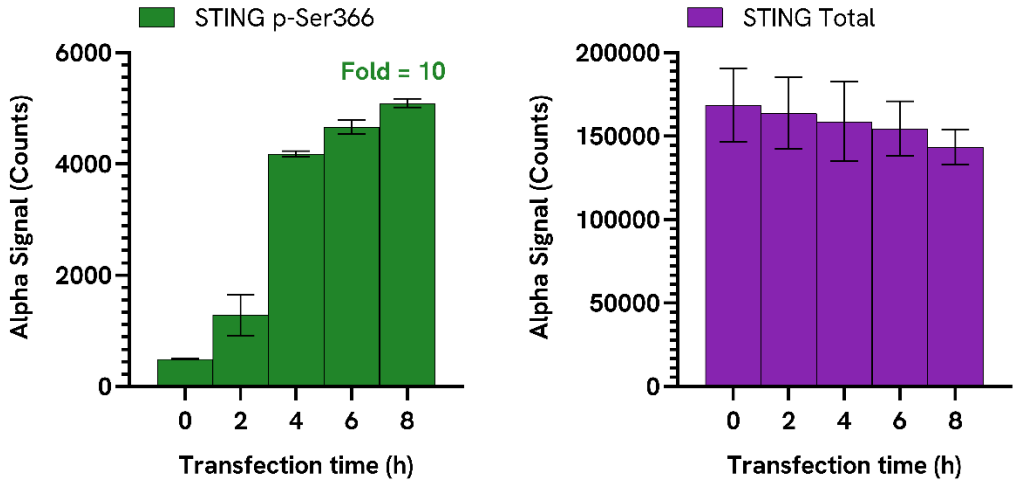
This assay kit contains antibodies which recognize the Ser366 epitope and a distal epitope on STING. The protein detected by this kit corresponds to UniProt ID Q86WV6. STING is also known as STING1 and TMEM173. These antibodies recognize STING of human origin. Other species should be tested on a case-by case basis. The highly specific and sensitive Phospho STING monoclonal antibody used in this assay was developed by Cell Signaling Technology (Clone E9A9K, #72650).

Control lysate information:

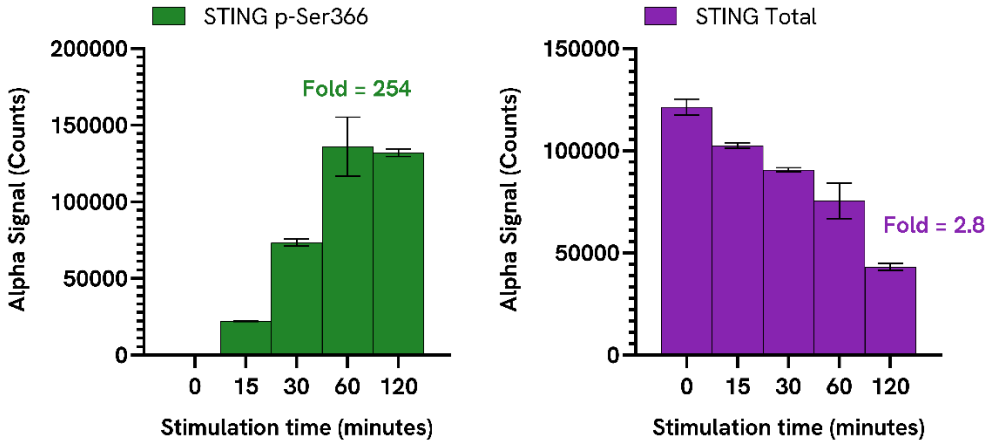
Positive Control Lysate: Prepared from THP-1 cells seeded at 4 x 10^6 cells/mL and treated with 100 nM Calyculin for 2 hours. Cells were washed with HBSS and lysed with Lysis Buffer B to a final concentration of 4 x 10^6 cells/mL.

Representative data:

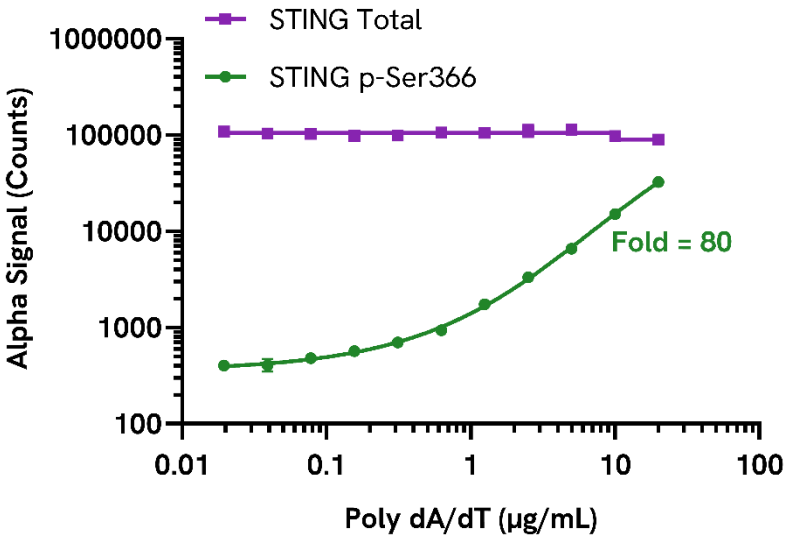
Data obtained with a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 400K cells/well in complete medium and transfected with 5 µg/mL Poly dA/dT at the indicated time points. Cells were washed with HBSS and lysed with Lysis Buffer B. Lysates were assayed separately for Phospho (Ser366) and Total STING using respective *SureFire Ultra* assay kits. Equivalent to approximately 40,000 cells/datapoint for Phospho (Ser366) and 4,000 cells/datapoint for STING Total.



Data obtained with a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 400K cells/well in complete medium and treated with 20 µg/mL diABZI at the indicated time points. Cells were washed with HBSS and lysed with Lysis Buffer B. Lysates were assayed separately for Phospho (Ser366) and Total STING using respective *SureFire Ultra* assay kits. Equivalent to approximately 40,000 cells/datapoint for Phospho (Ser366) and 4,000 cells/datapoint forSTING Total.



Data obtained with a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 400K cells/well in complete medium and transfected with the indicated concentrations of Poly dA/dT for 4 hours. Cells were washed with HBSS and lysed with Lysis Buffer B. Lysates were assayed separately for Phospho (Ser366) and Total STING using respective *SureFire Ultra* assay kits. Equivalent to approximately 40,000 cells/datapoint for Phospho (Ser366) and 4,000 cells/datapoint for STING Total.



Data obtained with a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 400K cells/well in complete medium and treated with the indicated concentrations of 2′3′ cGAMP for 4 hours. Cells were washed with HBSS and lysed with Lysis Buffer B. Lysates were assayed separately for Phospho (Ser366) and Total STING using respective *SureFire Ultra* assay kits. Equivalent to approximately 40,000 cells/datapoint for Phospho (Ser366) and 4,000 cells/datapoint for STING Total.