

AlphaLISA™ SureFire® Biotin Free

Human STING Total Detection Kit

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



Kit specificity:

This assay kit contains antibodies which recognize distinct epitopes 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).

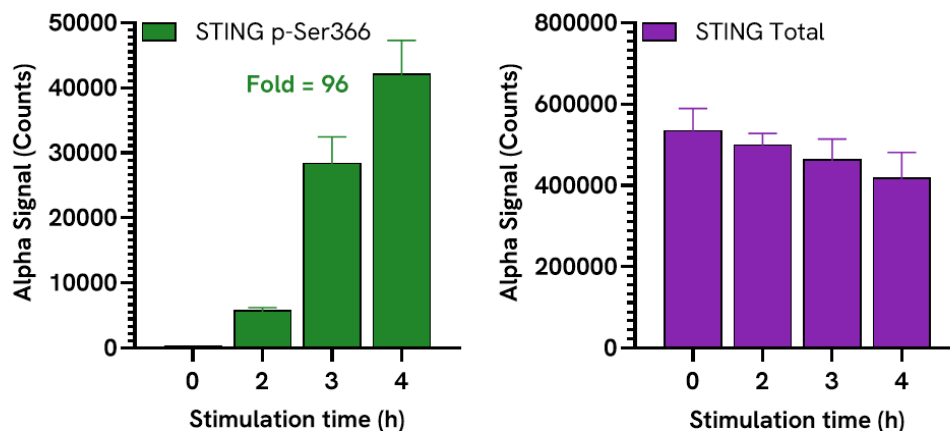
Control lysate information:

Positive Control Lysate: Prepared from THP-1 cells seeded at 4×10^6 cells/mL and treated with 20 μ g/mL of Calyculin A for 2 hours. Cells were lysed with Lysis Buffer B to a final concentration of 4×10^6 cells/mL.

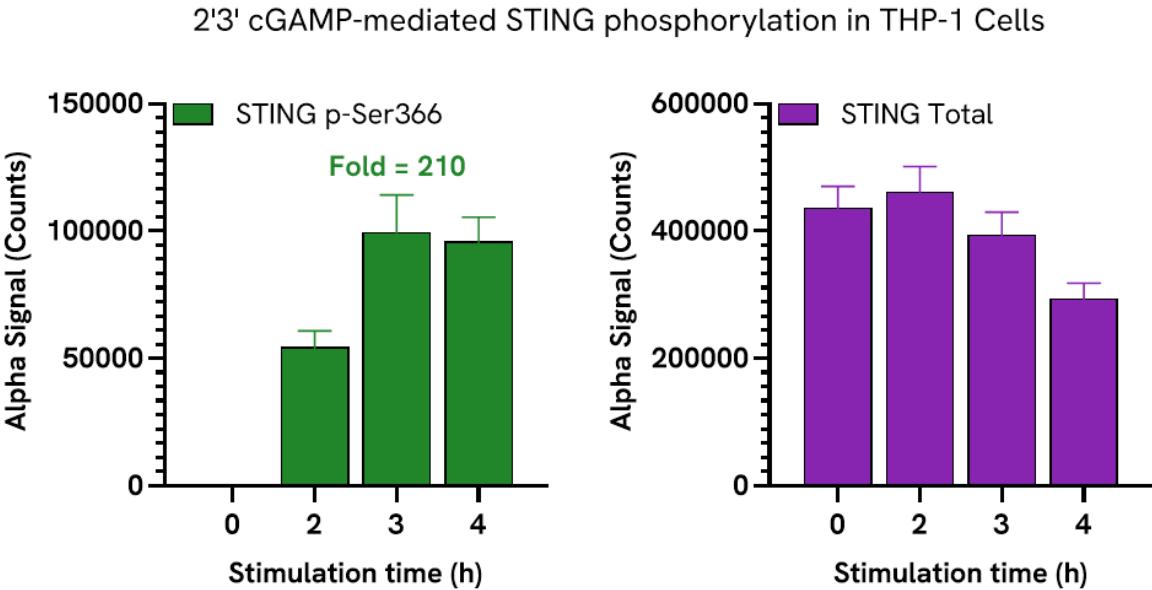
Representative data:

Data obtained with a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 400,000 cells/well in complete medium and transfected with 20 μ g/ml Poly dA/dT at the indicated time points. The cells were then lysed with Lysis Buffer B. Lysates were assayed separately for Phospho (Ser366) and Total STING using respective SureFire Biotin Free kits. Equivalent to approximately 40,000 cells/datapoint.

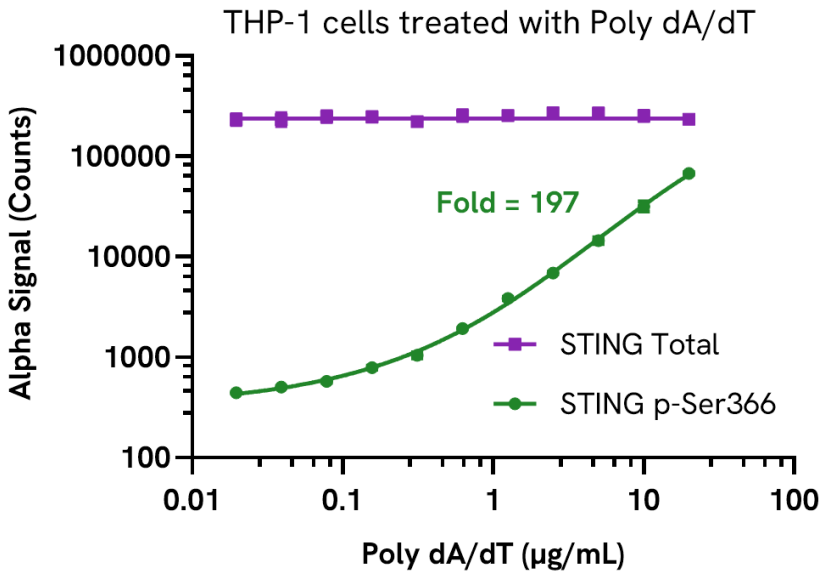
Poly dA/dT-mediated STING phosphorylation in THP-1 cells



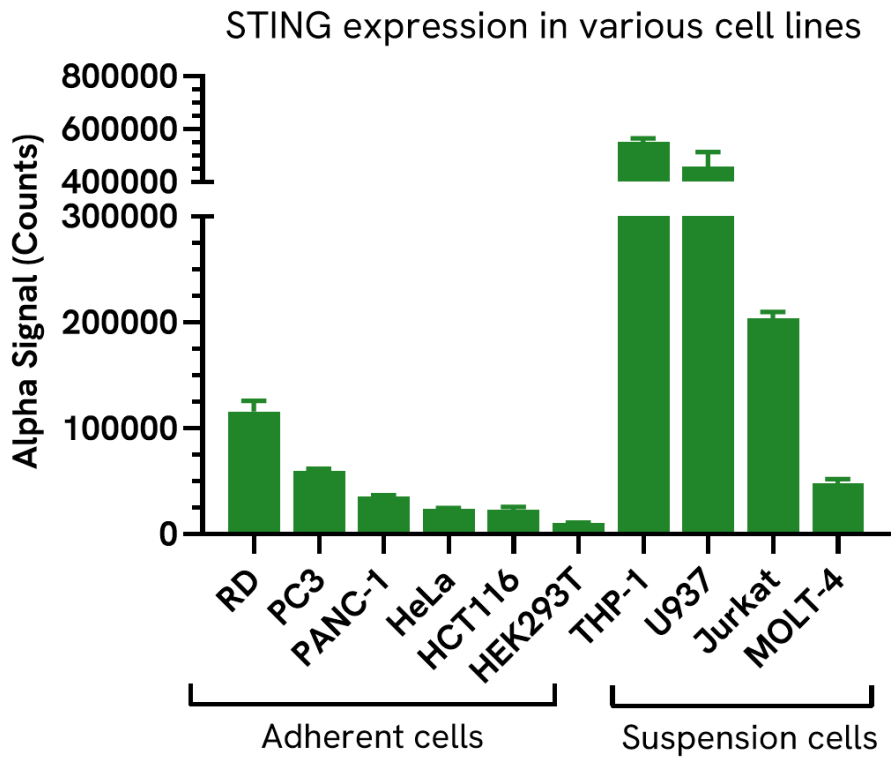
Data obtained with a 2-plate, 2-Incubation protocol. THP1 cells were seeded at 400,000 cells/well in complete medium and treated with 200 µg/mL 2'3'cGAMP at the indicated time points. The cells were then lysed with Lysis Buffer B. Lysates were assayed separately for Phospho (Ser366) and Total STING using respective *SureFire* Biotin Free kits. Equivalent to approximately 40,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 400,000 cells/well in complete medium and transfected with the indicated concentrations of Poly dA/dT for 4 hours. The cells were then lysed with Lysis Buffer B. Lysates were assayed separately for Phospho (Ser366) and Total STING using respective *SureFire* Biotin Free kits. Equivalent to approximately 8,000 cells/datapoint.



Data obtained from measurement of STING in various cell types lysed with Lysis Buffer. Equivalent to approximately 4,000 cells/datapoint for adherent cells or 40,000 cells/datapoint for suspension cells.



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