

AlphaLISA™ SureFire® Biotin Free

Human p-STING (Ser366) Detection Kit

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



Kit specificity:

This assay kit contains antibodies which recognize the phospho-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).

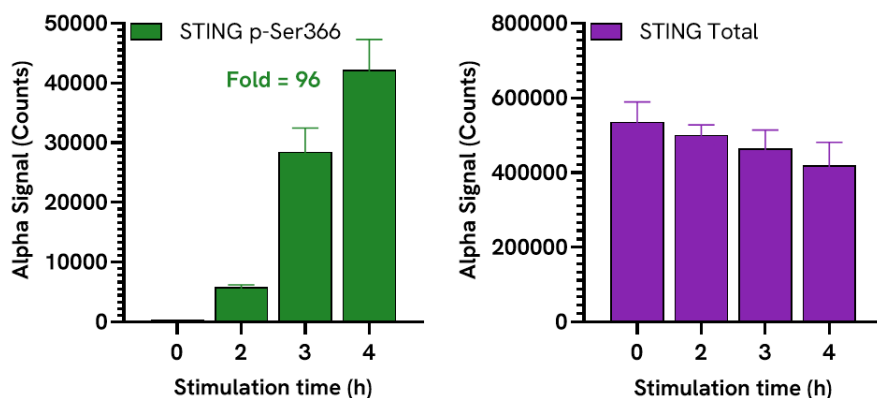
Control lysate information:

Positive Control Lysate: Prepared from THP-1 cells seeded at 4×10^6 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.

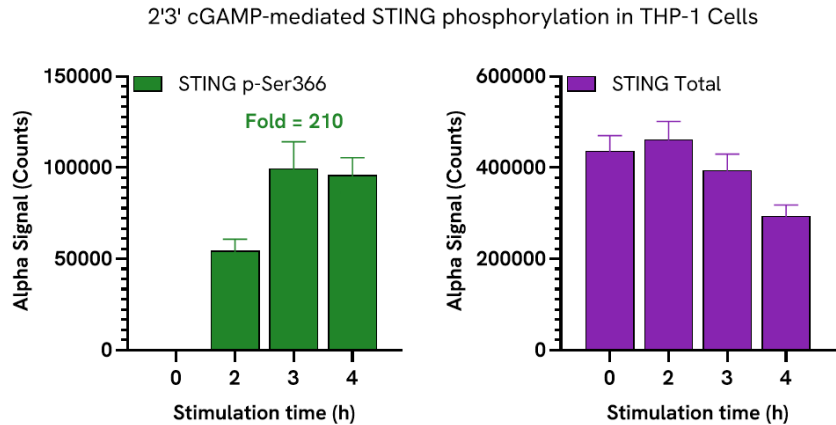
Representative data:

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.

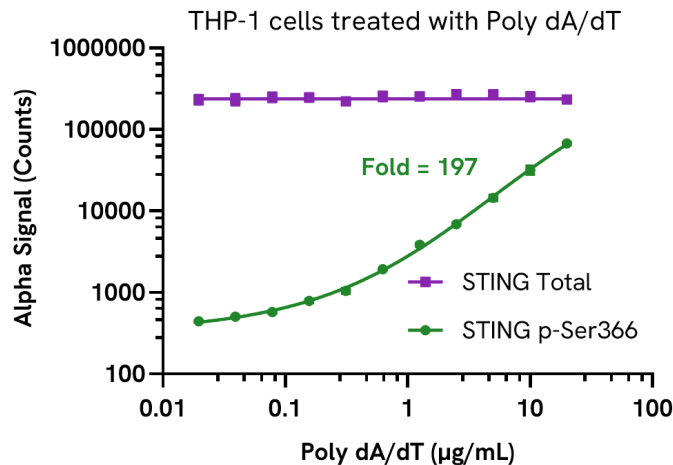
Poly dA/dT-mediated STING phosphorylation in THP-1 cells



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.



The information provided in this document is for reference purposes only and may not be all-inclusive. Revvity, Inc., its subsidiaries, and/or affiliates (collectively, "Revvity") do not assume liability for the accuracy or completeness of the information contained herein. Users should exercise caution when handling materials as they may present unknown hazards. Revvity shall not be liable for any damages or losses resulting from handling or contact with the product, as Revvity cannot control actual methods, volumes, or conditions of use. Users are responsible for ensuring the product's suitability for their specific application. REVVITY EXPRESSLY DISCLAIMS ALL WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, REGARDLESS OF WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED, ALLEGEDLY ARISING FROM ANY USAGE OF ANY TRADE OR ANY COURSE OF DEALING, IN CONNECTION WITH THE USE OF INFORMATION CONTAINED HEREIN OR THE PRODUCT ITSELF"

