

AlphaLISA® SureFire® Ultra™

Mouse STING Total Detection Kit

Product number: ALSU-TSTNG-B500, ALSU-TSTNG-B10K,
ALSU-TSTNG-B50K, ALSU-TSTNG-B-HV



Kit specificity:

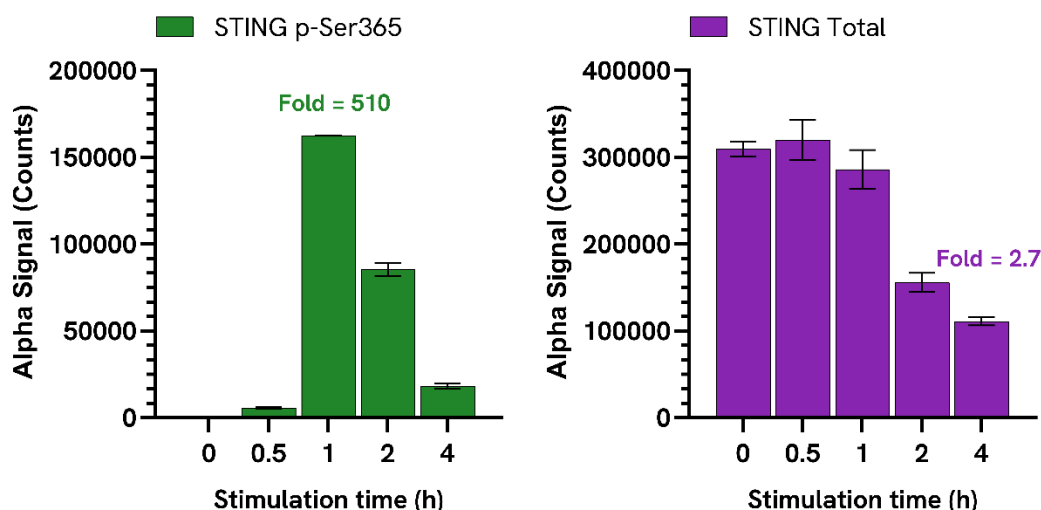
This assay kit contains antibodies which recognize distinct epitopes on STING. The protein detected by this kit corresponds to UniProt ID Q3TBT3. STING is also known as STING1 and TMEM173. These antibodies recognize STING of mouse origin. Other species should be tested on a case-by case basis.

Control lysate information:

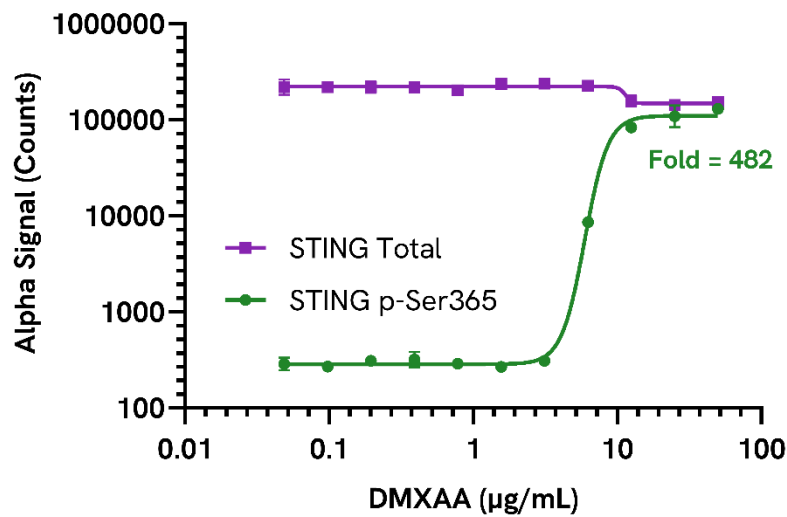
Positive Control Lysate: Prepared from RAW 264.7 cells cultured to confluence in T175 flasks in 10% FBS containing medium, treated with 20 µg/mL DMXAA for 1 hour and lysed with 4 mL of Lysis Buffer B.

Representative data:

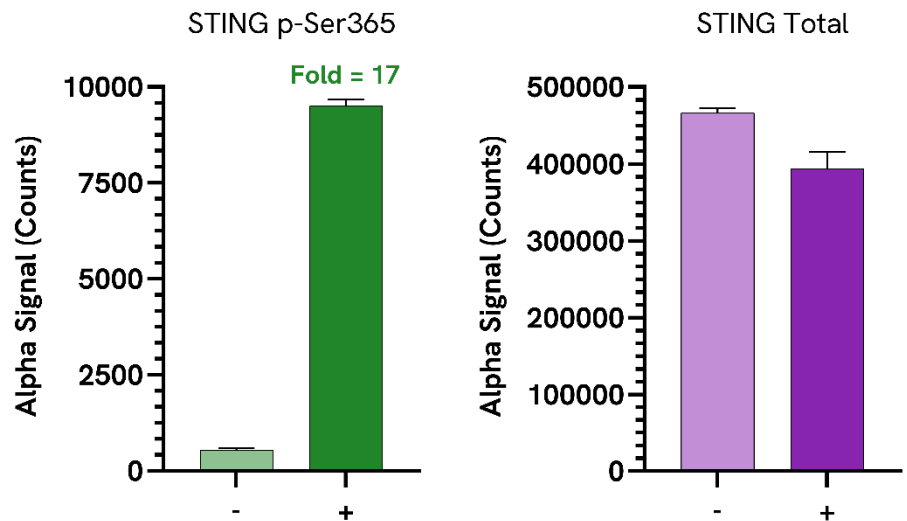
Data obtained with a 2-plate, 2-incubation protocol. RAW 264.7 cells were seeded at 60K cells/well in a 96-well plate and incubated overnight. Cells were treated with 20 µg/ml DMXAA at the indicated time points. Cells were lysed with Lysis Buffer B and assayed separately for Phospho (Ser365) and Total STING using respective SureFire Ultra assay kits. Equivalent to approximately 12,000 cells/datapoint.



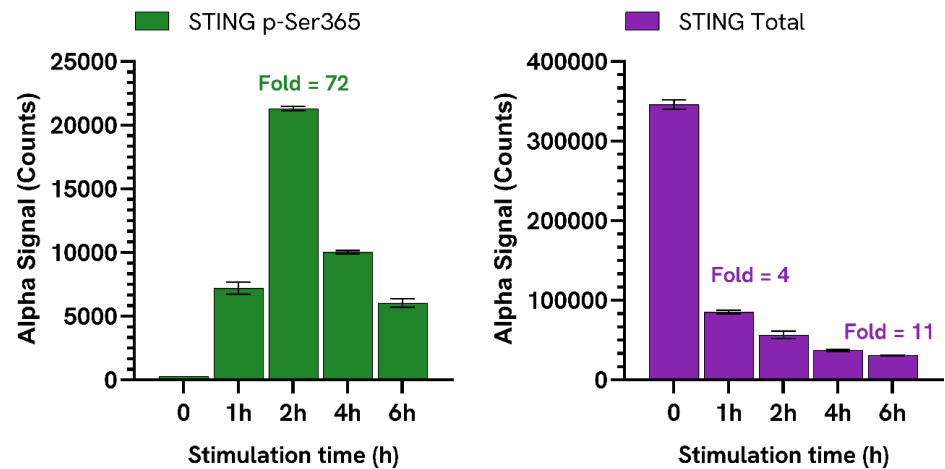
Data obtained with a 2-plate, 2-incubation protocol. RAW 264.7 cells were seeded at 40K cells/well in a 96-well plate and incubated overnight. Cells were treated with DMXAA at the indicated concentrations for 1 hour. Cells were lysed with Lysis Buffer B and assayed separately for Phospho (Ser365) and Total STING using respective *SureFire Ultra* kits. Equivalent to approximately 8,000 cells/datapoint.



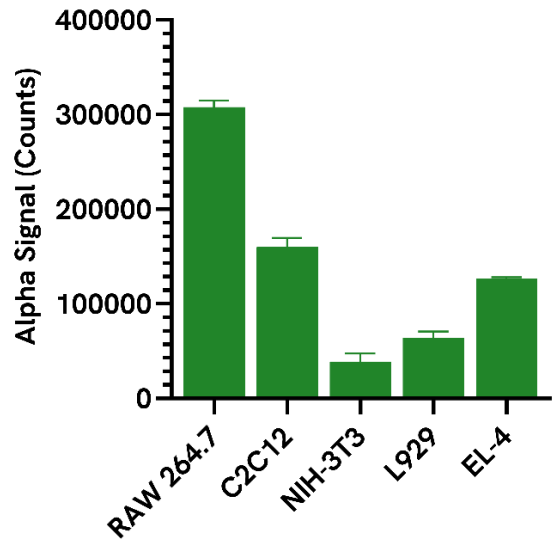
RAW 264.7 cells were seeded in T25 flasks (2×10^6 cells/flask) and incubated overnight. Cells were left untreated or transfected with 25 µg/ml Poly dA/dT for 6 hours. Cells were lysed with Lysis Buffer B and assayed separately for Phospho (Ser365) and Total STING using respective *SureFire Ultra* kits. Equivalent to approximately 40,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. RAW 264.7 cells were seeded at 60K cells/well in a 96-well plate and incubated overnight. Cells were treated with 100 µg/ml 2'3' cGAMP for the indicated time points. Cells were lysed with Lysis Buffer B and assayed separately for Phospho (Ser365) and Total STING using respective *SureFire Ultra* kits. Equivalent to approximately 12,000 cells/datapoint.



Data obtained from measurement of STING Total in various cell types lysed with Lysis Buffer B. Equivalent to approximately 12,000 cells/datapoint for adherent cells or 20,000 cells/datapoint for suspension cells.



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