

AlphaLISA® SureFire® Ultra™

Human and Mouse p-STAT3 (Ser727) Detection Kit

Product number: ALSU-PST3-C500, ALSU-PST3-C10K,
ALSU-PST3-C50K, ALSU-PST3-C-HV



Kit specificity:

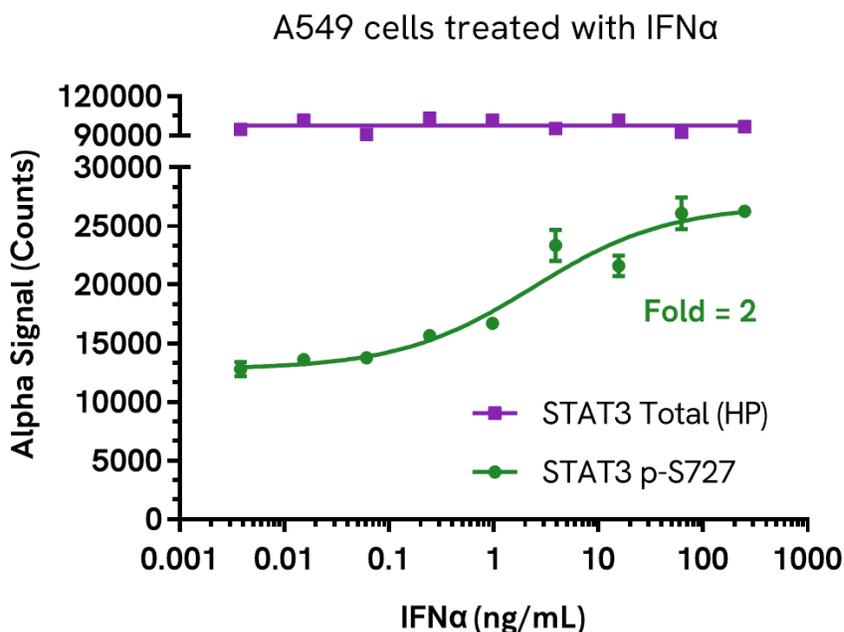
This assay kit contains antibodies which recognize the phospho-Ser727 epitope and a distal epitope on STAT3. The protein detected by this kit corresponds to UniProt ID P40763. STAT3 is also known as signal transducer and activator of transcription 3 and Acute-phase response factor. These antibodies recognize STAT3 of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

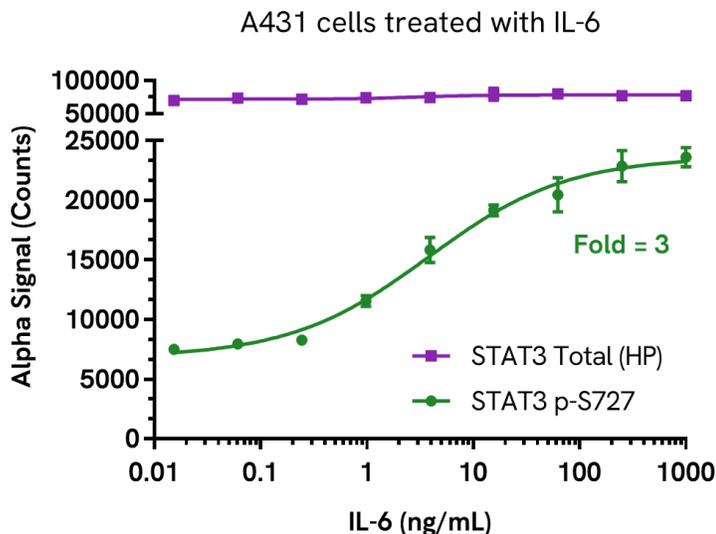
Positive Control Lysate: Prepared from A431 cells cultured to confluence in T175 flasks in 10% FBS containing medium, then treated with 2 µg/mL rh EGF for 10 minutes and lysed with 5 mL of Lysis Buffer.

Representative data:

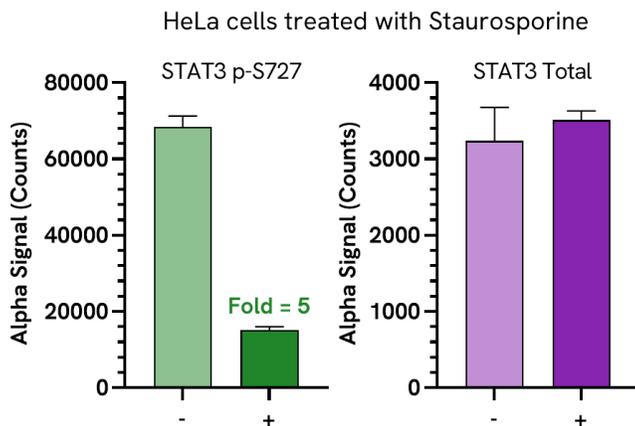
Data obtained with a 2-plate, 2-incubation protocol. A549 cells were seeded at 20K cells/well in a 96-well plate and incubated overnight. Cells were starved for 20 hours in 1% FBS containing media, then treated with increasing concentrations of IFNα for 30 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser727) and Total STAT3 using respective *SureFire Ultra* kits. Equivalent to approximately 2,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. A431 cells were seeded at 30K cells/well in a 96-well plate and incubated overnight. Cells were starved for 20 hours in 1% FBS containing media, then treated with increasing concentrations of IL-6 for 15 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser727) and Total STAT3 using respective *SureFire Ultra* kits. Equivalent to approximately 3,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. HeLa cells were seeded at 20K cells/well in a 96-well plate and incubated overnight. Cells were starved for 20 hours in 1% FBS containing media, then treated with 5 μ M Staurosporine for 30 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser727) and Total STAT3 using respective *SureFire Ultra* kits. Equivalent to approximately 2,000 cells/datapoint.



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