

AlphaLISA® SureFire® Ultra™

Human STAT2 / IRF9 Complex Detection Kit

Product number: ALSU-CST2IR9-A500, ALSU-CST2IR9-A10K,
ALSU-CST2IR9-A50K, ALSU-CST2IR9-A-HV



Kit specificity:

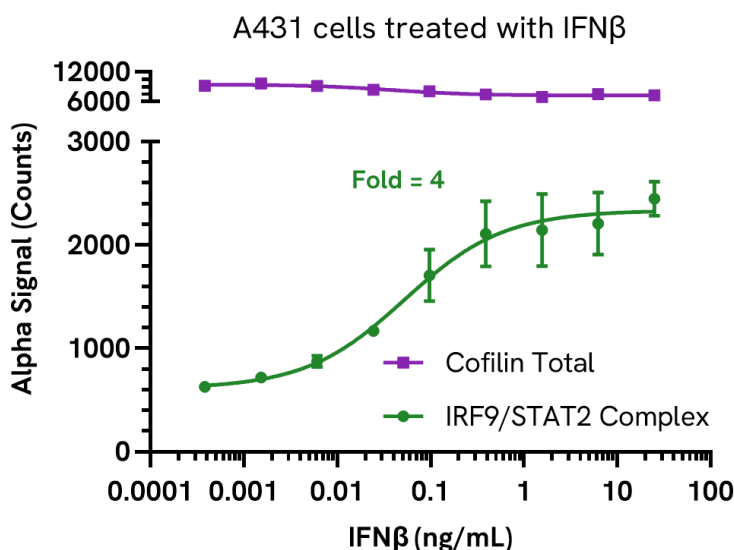
This assay kit contains antibodies which recognize distinct epitopes on STAT2 and IRF9. The protein detected by this kit corresponds to UniProt ID's P52630 (STAT2) and Q00978 (IRF9) and a positive signal will only be achieved when the STAT2 and IRF9 proteins are in a complex together. These antibodies recognize STAT2/IRF9 Complex of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

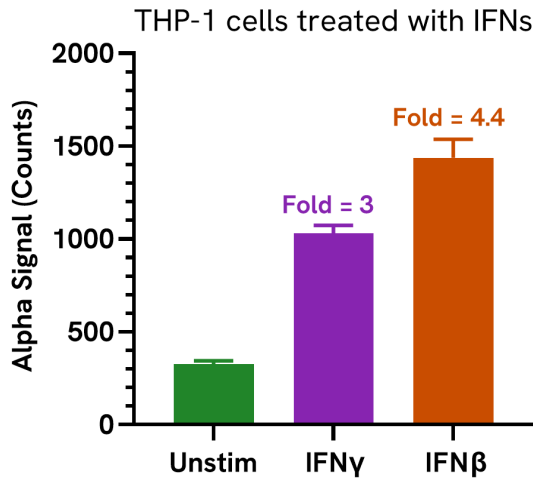
Positive Control Lysate: Prepared from A431 cells, cultured to confluence in T175 flasks in 10% FBS containing media. Cells were treated with 10 ng/mL IFN β for 24 hours, then lysed with 2 mL of Lysis Buffer.

Representative data:

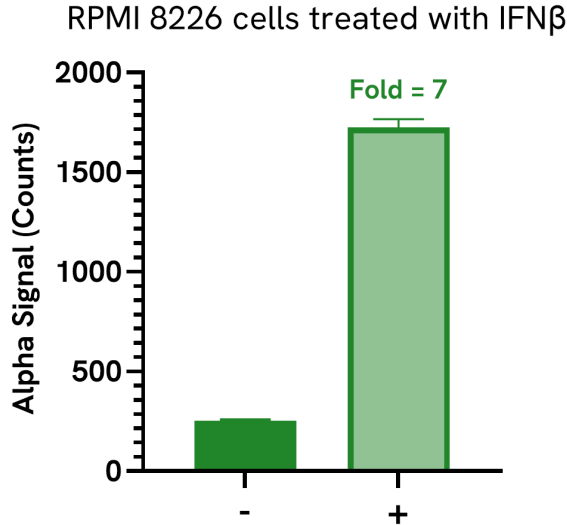
Data obtained using a 2-plate, 2-incubation protocol. A431 cells were seeded at 30K cells/well in a 96-well plate and incubated overnight. Cells were treated with increasing concentrations of IFN β for 24 hours. Cells were lysed with Lysis Buffer and assayed separately for STAT2/IRF9 Complex and Cofilin Total using respective *SureFire Ultra* kits. Equivalent to approximately 6,000 cells/datapoint for STAT2/IRF9 Complex and 200 cells/datapoint for Cofilin.



Data obtained using a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 200K cells/well and treated with 10 ng/mL IFN γ or IFN β for 24 hours in 10% FBS containing media. Cells were washed with HBSS, lysed with Lysis Buffer and assayed for STAT2/IRF9 Complex using the *SureFire Ultra* kit. Equivalent to approximately 20,000 cells/datapoint.



Data obtained using a 2-plate, 2-incubation protocol. RPMI 8226 cells were seeded at 200K cells/well and treated with 10 ng/mL IFN β for 24 hours in 10% FBS containing media. Cells were washed with HBSS, lysed with Lysis Buffer and assayed for STAT2/IRF9 Complex using the *SureFire Ultra* kit. Equivalent to approximately 20,000 cells/datapoint.



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