

AlphaLISA™ SureFire® Biotin Free

Human and Mouse STAT1 Total Detection Kit

Product number: ASBF-TST1-A500, ASBF-TST1-A10K,
ASBF-TST1-A50K, ASBF-TST1-A-HV



Kit specificity:

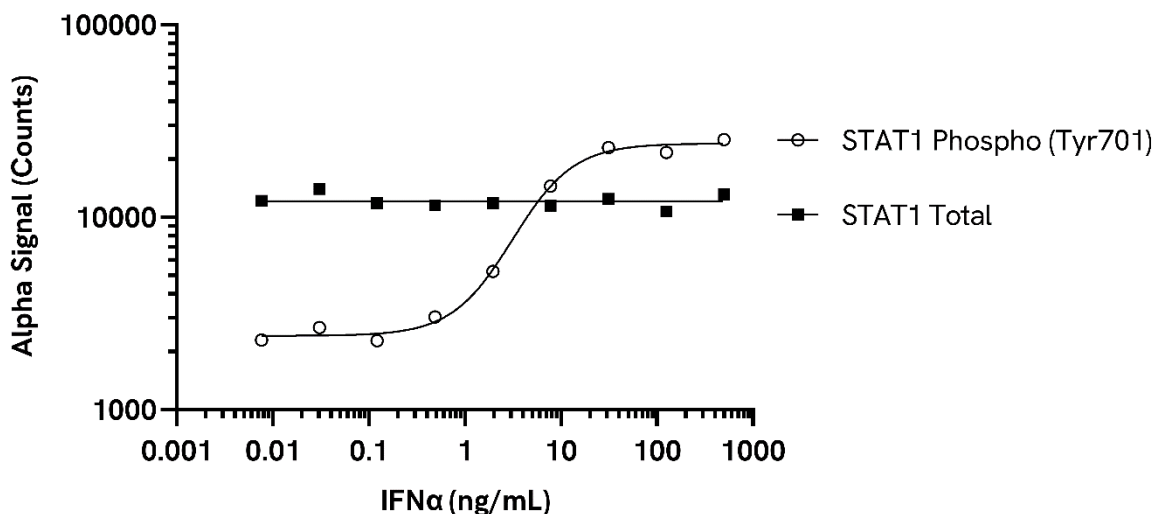
This assay kit contains antibodies which recognize distinct epitopes on signal transducer and activator of transcription 1- α/β (STAT1). The protein detected by this kit corresponds to UniProt ID P42224. STAT1 is also known as transcription factor ISGF-3 components p91/p84. These antibodies recognize STAT1 of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

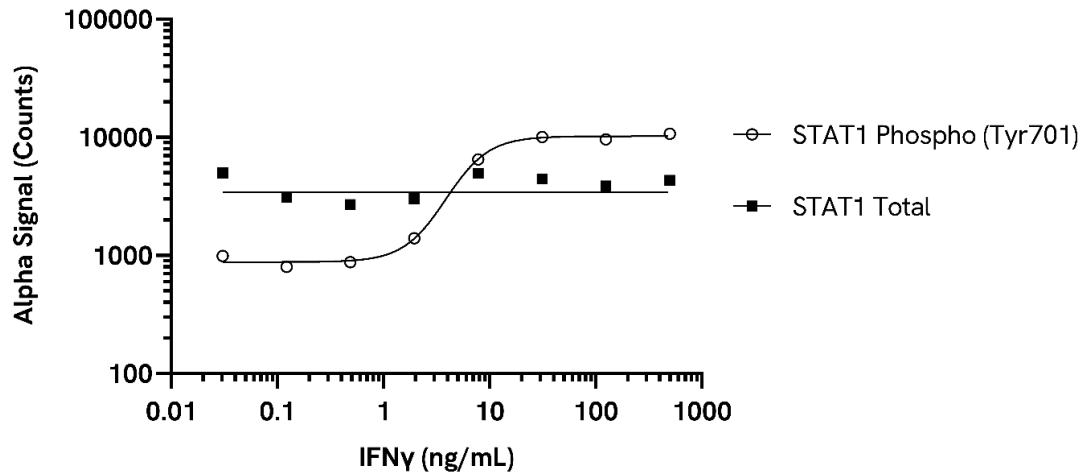
Positive Control Lysate: Prepared from HeLa cells cultured to confluence in T175 flasks in 10% FBS containing medium. Cells were treated with 0.6 M Sorbitol for 45 minutes and lysed with 6 mL of Lysis Buffer.

Representative data:

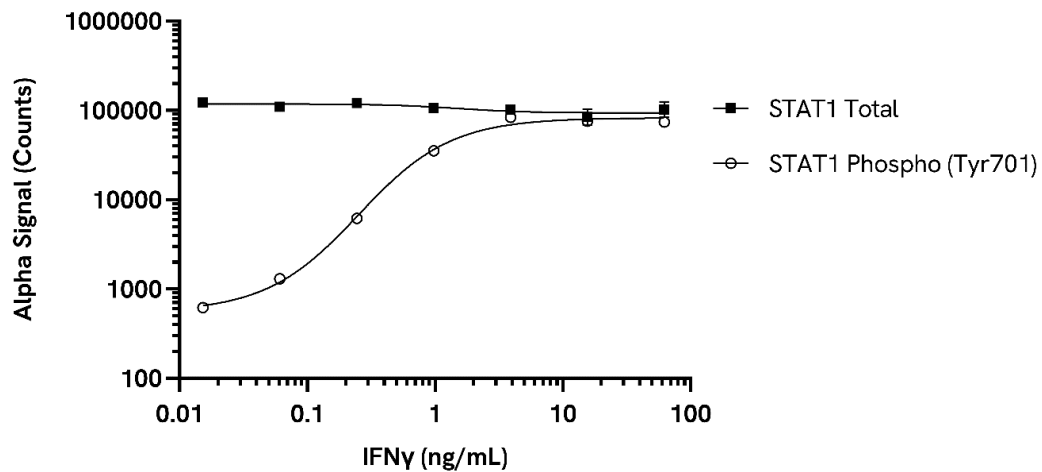
Data obtained using a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 50K cells/well in a 96-well plate in complete RPMI 1640 medium containing 100 nM PMA for 24 hours. Cells were starved for 2 hours and then treated with IFN α at the indicated concentrations for 20 minutes. Cells were lysed with the addition of 5X Lysis Buffer and assayed separately for Phospho (Tyr701) and Total STAT1 using respective SureFire Biotin Free kits. Equivalent to approximately 1,000 cells/datapoint.



Data obtained using a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 50K cells/well in a 96-well plate in complete RPMI 1640 medium containing 100 nM PMA for 24 hours. Cells were starved for 2 hours and then treated with IFN γ at the indicated concentrations for 20 minutes. Cells were lysed with the addition of 5X Lysis Buffer and assayed separately for Phospho (Tyr701) and Total STAT1 using respective *SureFire* Biotin Free kits. Equivalent to approximately 1,000 cells/datapoint.



Data obtained using 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 mouse IFN γ at the indicated concentrations for 20 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Tyr701) and Total STAT1 using respective *SureFire* Biotin Free kits. Equivalent to approximately 4,000 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"

