

AlphaLISA™ SureFire® Biotin Free

Human and Mouse STAT5 Total Detection Kit

Product number: ASBF-TST5-A500, ASBF-TST5-A10K,
ASBF-TST5-A50K, ASBF-TST5-A-HV



Kit specificity:

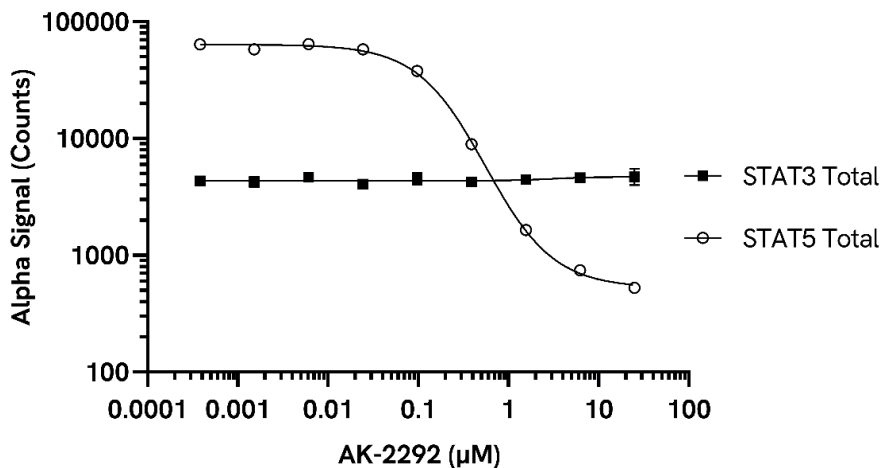
This assay kit contains antibodies which recognize distinct epitopes on signal transducer and activator of transcription 5 (STAT5). The protein detected by this kit corresponds to UniProt ID P42229 (STAT5A) and P51692 (STAT5B). These antibodies recognize STAT5 of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

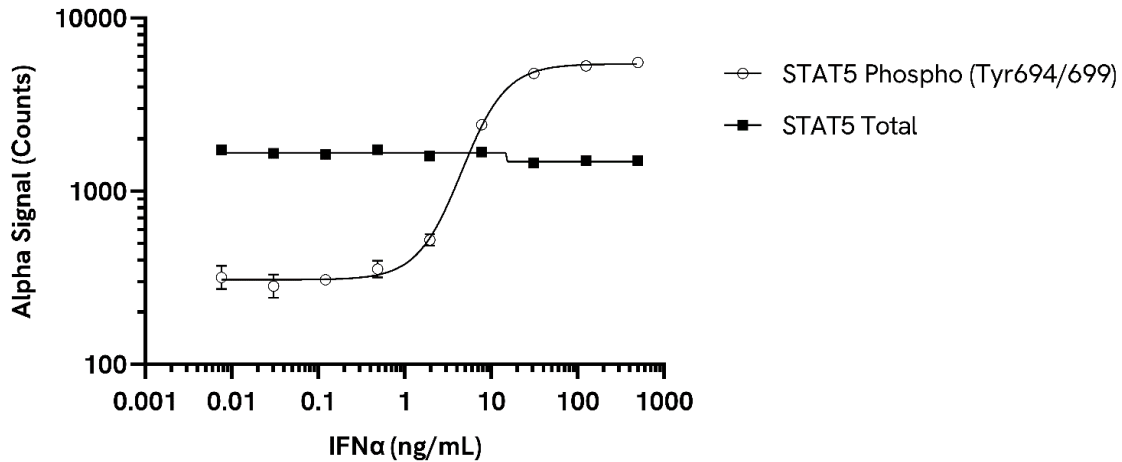
Positive Control Lysate: Prepared from A431 cells, cultured to confluence in T175 flasks in 10% FBS containing medium, then treated with 2 µg/mL EGF for 10 minutes and lysed with 8 mL of Lysis Buffer.

Representative data:

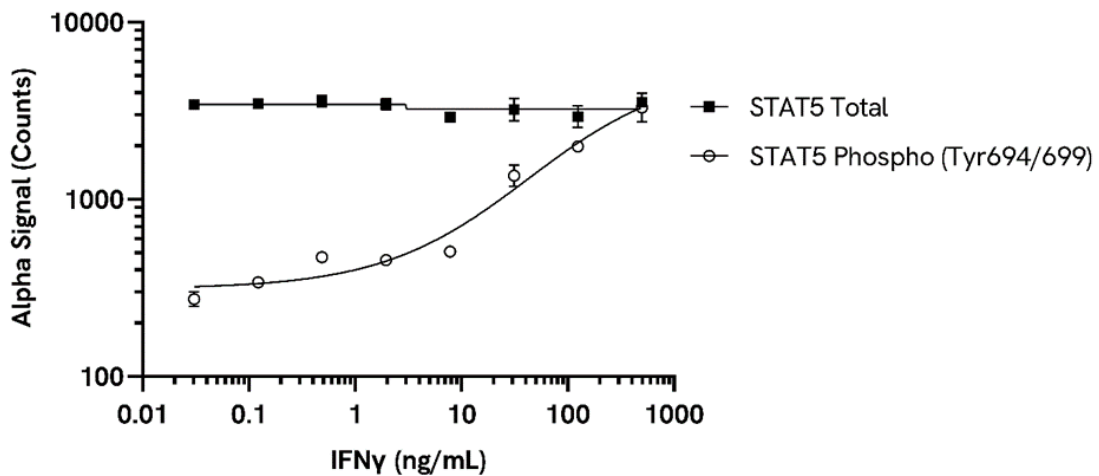
Data obtained using a 2-plate, 2-incubation protocol. MOLT-4 cells were seeded at 200K cells/well in a 96-well plate in complete RPMI 1640 medium and treated with AK-2292 (STAT5 PROTAC) at the indicated concentrations for 20 hours. Cells were lysed with the addition of 5X Lysis Buffer and assayed separately for STAT5 and STAT3 Total using respective SureFire Biotin Free kits. Equivalent to approximately 8,000 cells/datapoint.



Data obtained using a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 100K 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 (Tyr694/699) and Total STAT5 using respective *SureFire* Biotin Free kits. Equivalent to approximately 2,000 cells/datapoint.



Data obtained using a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 100K 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 (Tyr694/699) and Total STAT5 using respective *SureFire* Biotin Free kits. Equivalent to approximately 2,000 cells/datapoint.



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