

AlphaLISA™ SureFire® Biotin Free

Human p-STAT6 (Tyr641) High Performance Detection Kit

Product number: ASBF-PST6-B500, ASBF-PST6-B10K,
ASBF-PST6-B50K, ASBF-PST6-B-HV



Kit specificity:

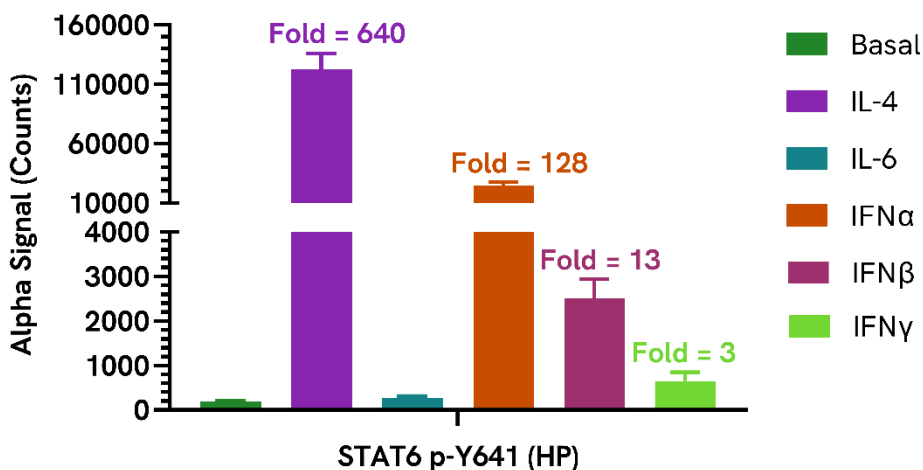
This assay kit contains antibodies which recognize the phospho-Tyr641 epitope and a distal epitope on STAT6. The protein detected by this kit corresponds to UniProt ID P42226. STAT6 is also known as transducer and activator of transcription 6 and IL-4 Stat. These antibodies recognize STAT6 of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

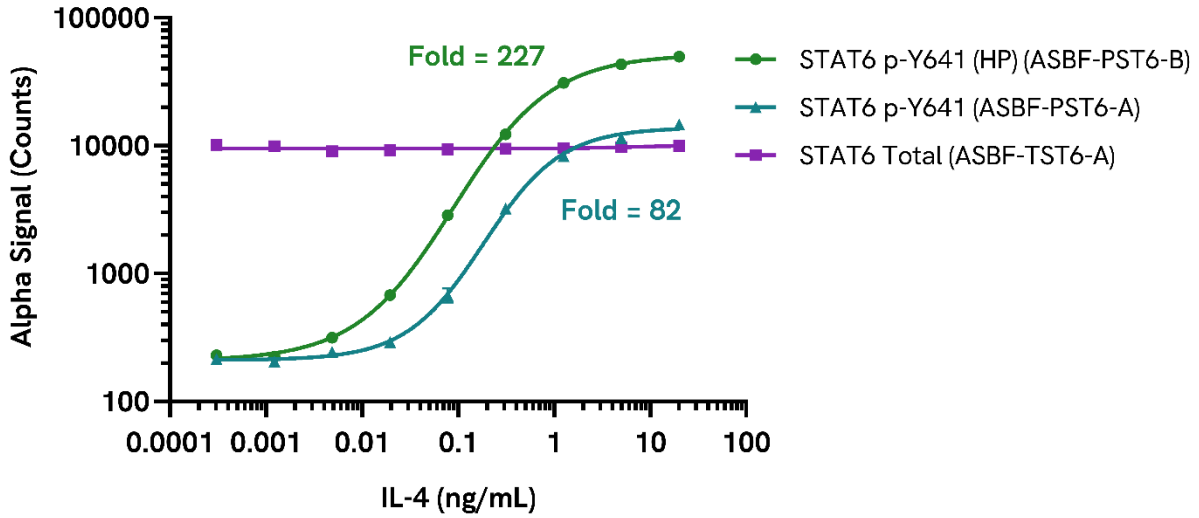
Positive Control Lysate: Prepared from HeLa cells, cultured to confluence in T175 flasks in 10% FBS containing medium, then treated with 20 ng/mL IL-4 for 20 minutes and lysed with 4 mL of Lysis Buffer.

Representative data:

Data obtained with 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 various cytokines for 15 minutes. Cells were lysed with Lysis Buffer and assayed for Phospho (Tyr641) STAT6 HP using the SureFire Biotin Free kit ASBF-PST6-B. Equivalent to approximately 10,000 cells/datapoint



Data obtained with a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 200K cells/well in a 96 well plate in complete RPMI 1640 medium and treated with IL-4 at the indicated concentrations for 20 minutes. Cells were lysed with the addition of 5X Lysis Buffer and assayed for Phospho (Tyr641) and Total STAT6 using *SureFire* Biotin Free kits ASBF-PST6-A and ASBF-PST6-B, and ASBF-TST6-A. Equivalent to approximately 2,000 cells/datapoint.



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