

Alpha SureFire® Ultra™ Multiplex

Human and Mouse p-STAT1 (Tyr701) + Total STAT1 Detection Kit

Product number: MPSU-PTST1-K500, MPSU-PTST1-K10K,
MPSU-PTST1-K50K, MPSU-PTST1-K-HV



Kit specificity:

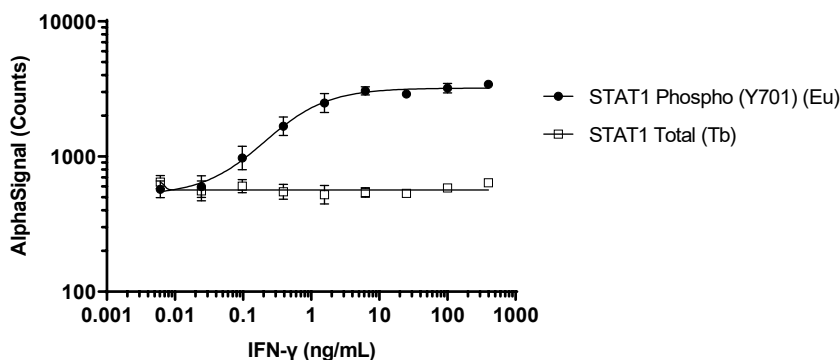
This assay kit contains antibodies which recognize the phospho STAT1 Tyr-701 epitope and a distal epitope on STAT1, plus antibodies to detect Total STAT1. The protein detected by this kit corresponds to UniProt ID P42224. These antibodies recognize STAT1 of human and mouse origin. Other species should 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, treated with 0.6 M Sorbitol for 20 minutes and then 200 ng/mL Interferon-gamma for a further 20 minutes, and lysed with 6 mL of Lysis buffer.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. HeLa cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were pre-treated with 0.6 M sorbitol for 20 minutes and then treated with IFN- γ at the indicated concentrations for 20 minutes. Cells were lysed with Lysis buffer and assayed for Phospho (Tyr701) and Total STAT1 in the same wells of an assay plate using the *SureFire Ultra* Multiplex kit. Equivalent to approximately 4,000 cells/datapoint.



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