

Alpha SureFire® Ultra™ Multiplex

# Human p-STAT3 (Tyr705) + Total STAT3 Detection Kit

**Product number:** MPSU-PTST3-K500, MPSU-PTST3-K10K,  
MPSU-PTST3-K50K, MPSU-PTST3-K-HV



### Kit specificity:

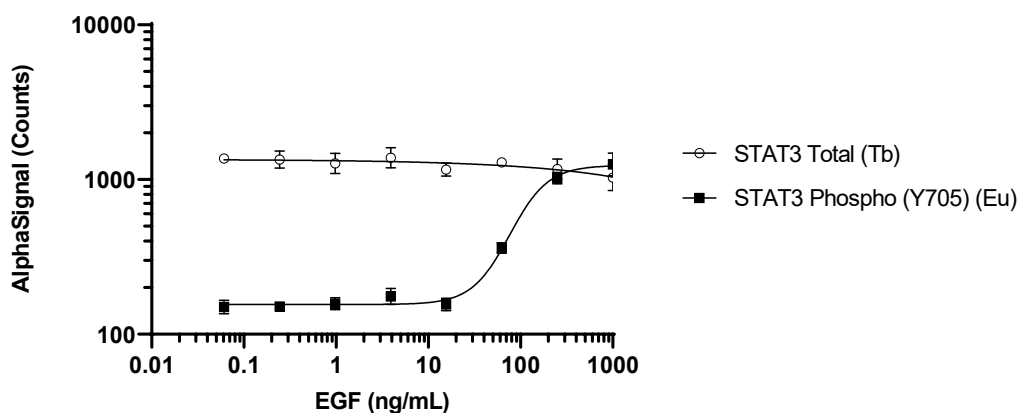
This assay kit contains antibodies which recognize the phospho-Tyr705 epitope and a distal epitope on STAT3 plus antibodies to detect Total STAT3. The proteins detected by this kit correspond to UniProt ID P40763. These antibodies recognize STAT3 of human and mouse origin. Other species should be tested 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, treated with 2 µg/mL EGF for 10 minutes and lysed with 5mL of Lysis buffer.

### Representative data

Data obtained with a 2-plate, 2-incubation protocol. A431 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were serum starved for 2 hours and then treated with EGF at the indicated concentrations for 10 minutes. Cells were lysed with Lysis buffer and assayed for Phospho (Tyr705) and Total Stat-3 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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