

AlphaLISA® SureFire® Ultra™

## Human TYK2 Total Detection Kit

**Product number:** ALSU-TTYK2-A500, ALSU-TTYK2-A10K,  
ALSU-TTYK2-A50K, ALSU-TTYK2-A-HV



### Kit specificity:

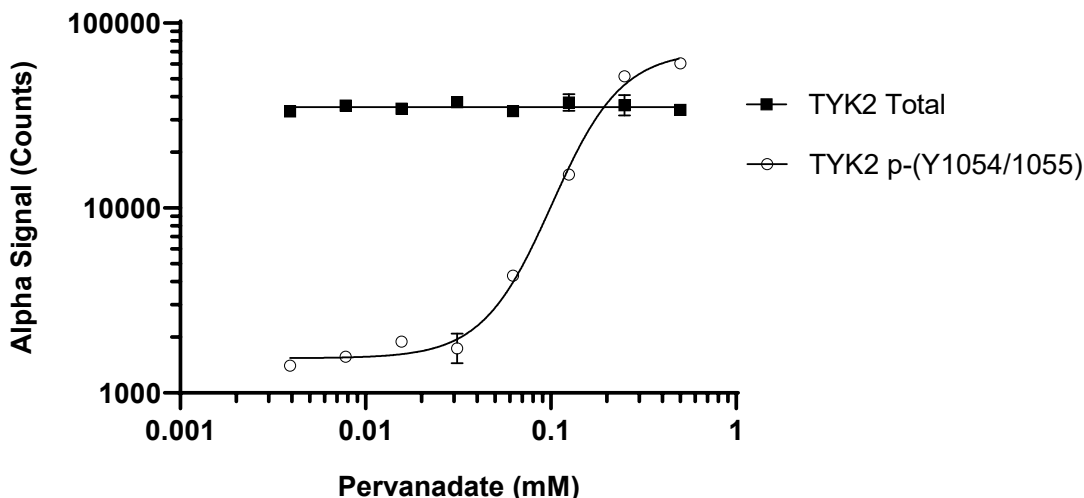
This assay kit contains antibodies which recognize distinct epitopes on TYK2. The protein detected by this kit corresponds to UniProt ID P29597. TYK2 is also known as non-receptor tyrosine-protein kinase TYK2. These antibodies recognize TYK2 of human origin. Other species should be tested on a case-by-case basis.

### Control lysate information:

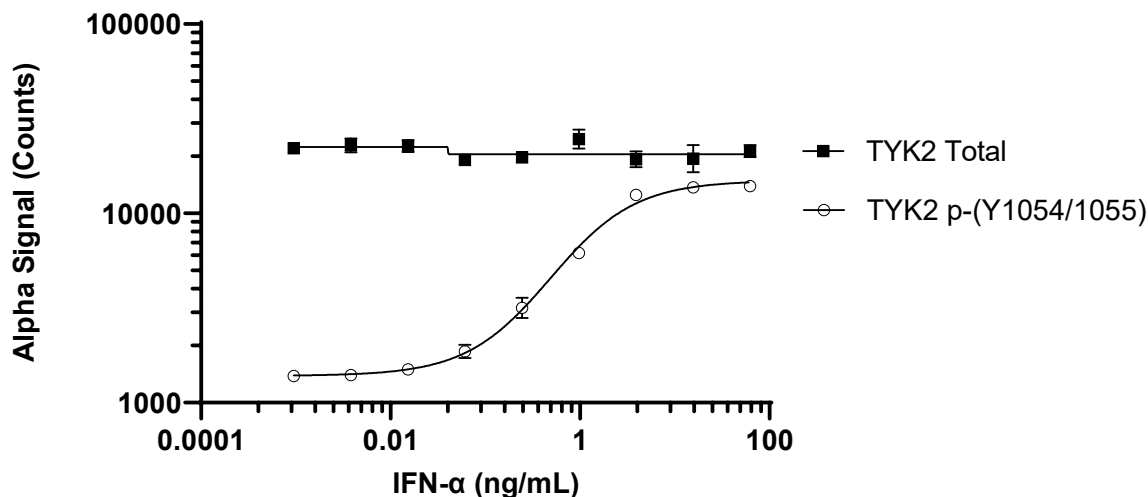
**Positive Control Lysate:** Prepared from THP-1 cells, cultured in 10% FBS containing medium and treated with 0.5 mM Pervanadate for 30 minutes. Cells were spun down at 300 RCF for 5 minutes, washed with HBSS and lysed with Lysis Buffer at a final density of  $5 \times 10^6$  cells/mL.

### Representative data

Data obtained with a 2-plate, 2-incubation protocol. THP-1 cells were harvested, spun down at 300 RCF for 5 minutes and washed with HBSS + 0.1% BSA. Cells were seeded at 500K cells/well in a 96 well plate and then treated with Pervanadate at the indicated concentrations for 30 minutes. Cells were lysed with the addition of 5X Lysis Buffer and assayed separately for Phospho (Tyr1054/1055) and Total TYK2 using respective *SureFire Ultra* kits. Equivalent to approximately 20,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. PC-3 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with Interferon- $\alpha$  at the indicated concentrations for 15 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Tyr1054/1055) and Total TYK2 using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint.



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