

AlphaLISA® SureFire® Ultra™

Human and Mouse p-TYK2 (Tyr1054/1055) Detection Kit

Product number: ALSU-PTYK2-A500, ALSU-PTYK2-A10K,
ALSU-PTYK2-A50K, ALSU-PTYK2-A-HV



Kit specificity:

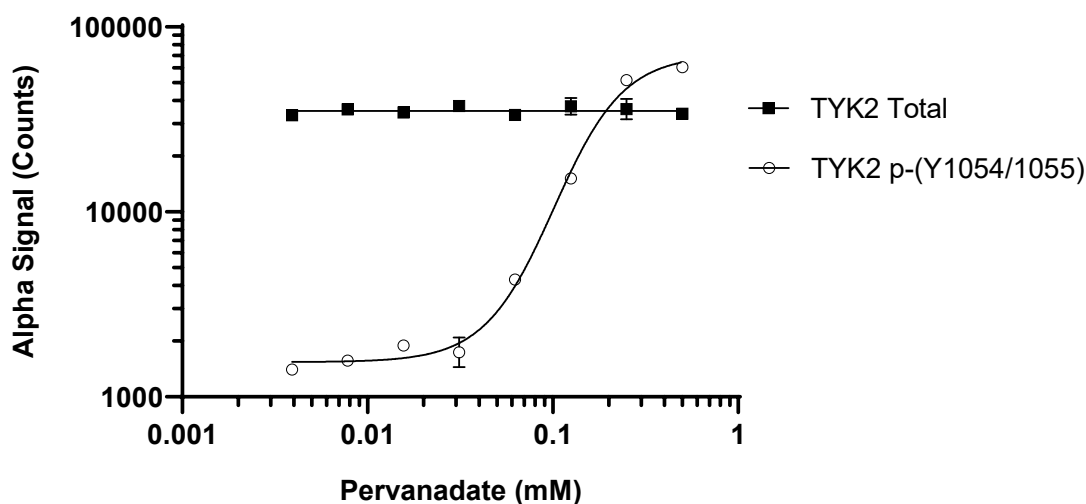
This assay kit contains antibodies which recognize the phospho-Tyr1054/1055 epitope and a distal epitope on TYK2. The protein detected by this kit corresponds to UniProt ID P29597. TYK2 is also known as non-receptor tyrosine-protein kinase TYK2. These antibodies recognize TYK2 of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

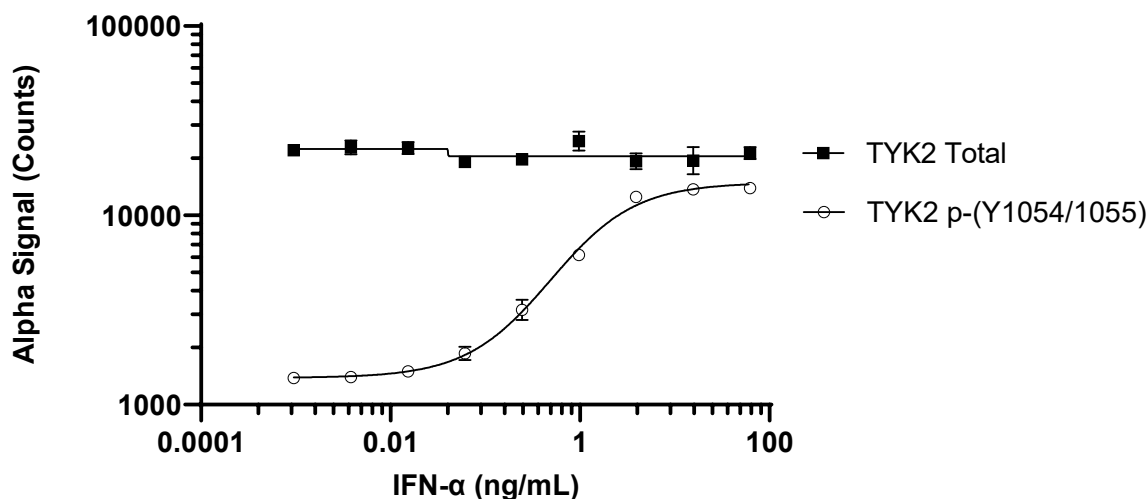
Positive Control Lysate: Prepared from THP-1 cells, cultured in 10% FBS containing medium and treated with 0.5 mM Pervanadate for 30 minutes. Cells were spun down at 300 RCF for 5 minutes, washed with HBSS and lysed with Lysis Buffer at a final density of 5×10^6 cells/mL.

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- α 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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