

AlphaLISA™ SureFire® Biotin Free

Human STAT4 Total Detection Kit

Product number: ASBF-TST4-A500, ASBF-TST4-A10K,
ASBF-TST4-A50K, ASBF-TST4-A-HV



Kit specificity:

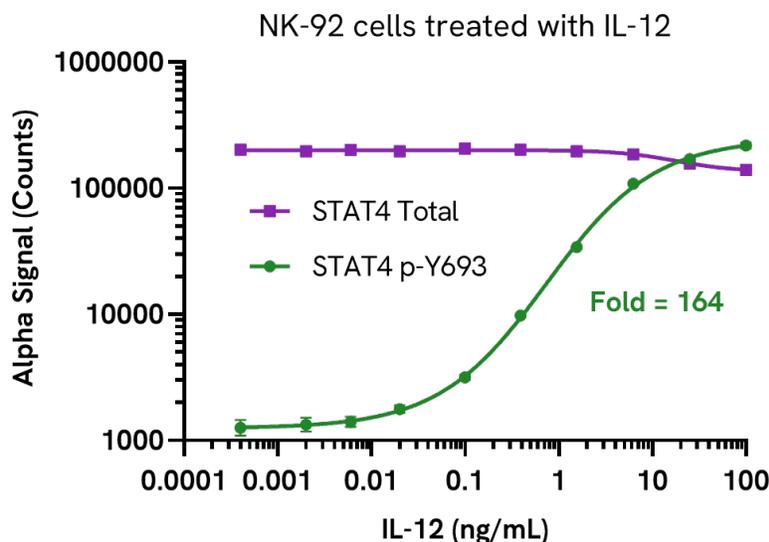
This assay kit contains antibodies which recognize distinct epitopes on STAT4. The protein detected by this kit corresponds to UniProt ID Q14765. These antibodies recognize STAT4 of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

Positive Control Lysate: Prepared from NK-92 cells, cultured to confluence in T175 flasks with MEM- α media containing 12.5% FBS, 12.5% Horse Serum, 0.2 mM inositol, 0.1 mM 2-mercaptoethanol, 0.02 mM folic acid and 200 U/mL recombinant IL-2. Cells were then deprived of IL-2 for 18 hours, treated with 200 ng/mL IL-12 for 30 minutes and lysed at 3.2×10^6 cells/mL with Lysis Buffer.

Representative data:

Data obtained with a 2-plate, 2-incubation protocol. NK-92 cells were seeded in a T175 flask at 500K/mL in media deprived of IL-2 and incubated overnight. Cells were concentrated to 5×10^6 cells/mL in serum free RPMI in a 96 well plate, then treated with IL-12 at the indicated concentrations for 30 minutes. Cells were lysed with 5X Lysis Buffer at 2×10^6 cells/mL and assayed separately for Phospho (Tyr693) and Total STAT4 using respective SureFire Biotin Free kits. Equivalent to 20,000 cells/datapoint



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