AlphaLISA® *SureFire® Ultra™*

Human Lck Total Detection Kit

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

Kit specificity:

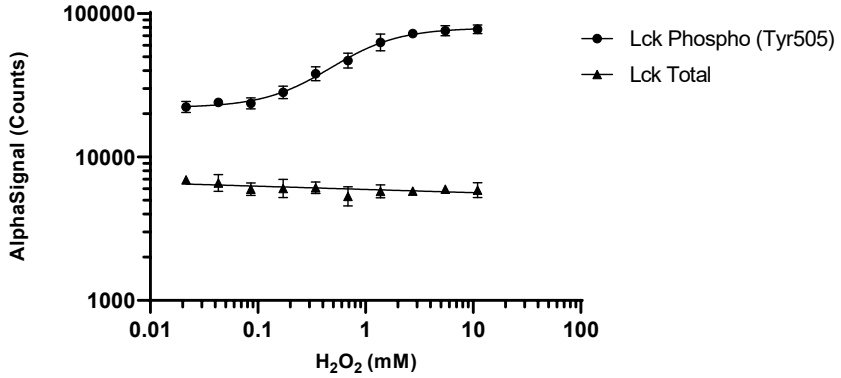
This assay kit contains antibodies which recognize distinct epitopes on Lck. The protein detected by this kit corresponds to UniProt ID P06239. Lck is also known as LSK and Protein YT16. These antibodies recognize Lck of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

Positive Control Lysate: Prepared from Jurkat cells cultured in 10% FBS containing media. Cells were harvested and washed with HBSS + 0.1% BSA, adjusted to 4 x10^6 cells/mL and then treated with 11 mM H2O2 and 50 nM Calyculin A for 10 minutes. Cells were then lysed with the addition of 5X Lysis Buffer.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. Jurkat cells were harvested, washed in HBSS and plated at a density of 1x10^6 cells/mL in a 96 well plate and then treated with H_2O_2 at the indicated concentrations for 10 minutes. Cells were lysed with 5X Lysis Buffer at a final cell density of 400K cells/mL. Lysates were further diluted and assayed for Phospho (Y505) and Total Lck using respective *SureFire Ultra* kits. Equivalent to approximately 800 cells/datapoint.



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