

AlphaLISA® SureFire® Ultra™

Human and Mouse p-SHP-1 (Tyr564) Detection Kit

Product number: ALSU-PSHP1-B500, ALSU-PSHP1-B10K,
 ALSU-PSHP1-B50K, ALSU-PSHP1-B-HV



Kit specificity:

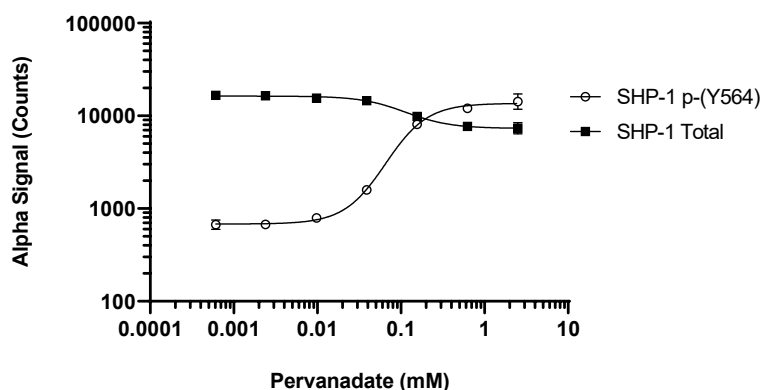
This assay kit contains antibodies which recognize the phospho-Tyr564 epitope and a distal epitope on SHP-1. The protein detected by this kit corresponds to UniProt ID P29350. SHP-1 is also known as Tyrosine-protein phosphatase non-receptor type 6 and Hematopoietic cell protein-tyrosine phosphatase. These antibodies recognize SHP-1 of human and mouse 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 4×10^6 cells/mL, then treated with 1.25 mM Pervanadate for 30 minutes and lysed with 5X Lysis Buffer.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. Jurkat cells were washed and resuspended in HBSS + 0.1 % BSA at a density of 2×10^6 cells/mL. Cells were treated with Pervanadate at the indicated concentrations for 30 minutes, lysed with 5X Lysis Buffer at 0.8×10^6 cells/mL and assayed separately for Phospho (Tyr564) and Total SHP-1 using respective *SureFire Ultra* kits. Equivalent to approximately 8,000 cells/datapoint.



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