

AlphaLISA® SureFire® Ultra™

Human p-SHP-1 (Tyr536) Detection Kit

Product number: ALSU-PSHP1-A500, ALSU-PSHP1-A10K,
ALSU-PSHP1-A50K, ALSU-PSHP1-A-HV



Kit specificity:

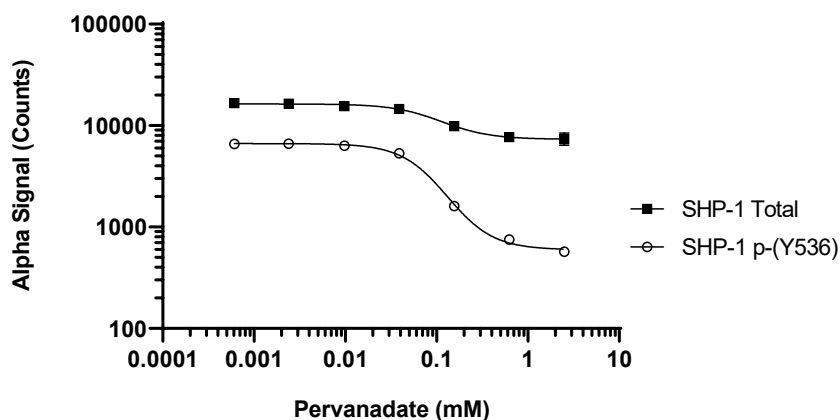
This assay kit contains antibodies which recognize the phospho-Tyr536 epitope and a distal epitope on SHP-1. The protein detected by this kit corresponds to UniProt ID P29350. SHP-1 is also known as Tyrosine-protein phosphatase non-receptor type 6 and Hematopoietic cell protein-tyrosine phosphatase. These antibodies recognize SHP-1 of human 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 in HBSS + 0.1% BSA, spun down at 300 RCF for 5 minutes and lysed with Lysis Buffer at 3.2×10^6 cells/mL.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. Jurkat cells were washed and resuspended in HBSS at 2×10^6 cells/mL. Cells were treated with Pervanadate at the indicated concentrations for 30 minutes. Cells were lysed with Lysis Buffer at 0.8×10^6 cells/mL and assayed separately for Phospho (Tyr536) and Total SHP-1 using respective SureFire Ultra kits. Equivalent to approximately 8,000 cells/datapoint.



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