

AlphaLISA® SureFire® Ultra™

Human p-VAV1 (Tyr174) Detection Kit

Product number: ALSU-PVAV1-A500, ALSU-PVAV1-A10K,
ALSU-PVAV1-A50K, ALSU-PVAV1-A-HV



Kit specificity:

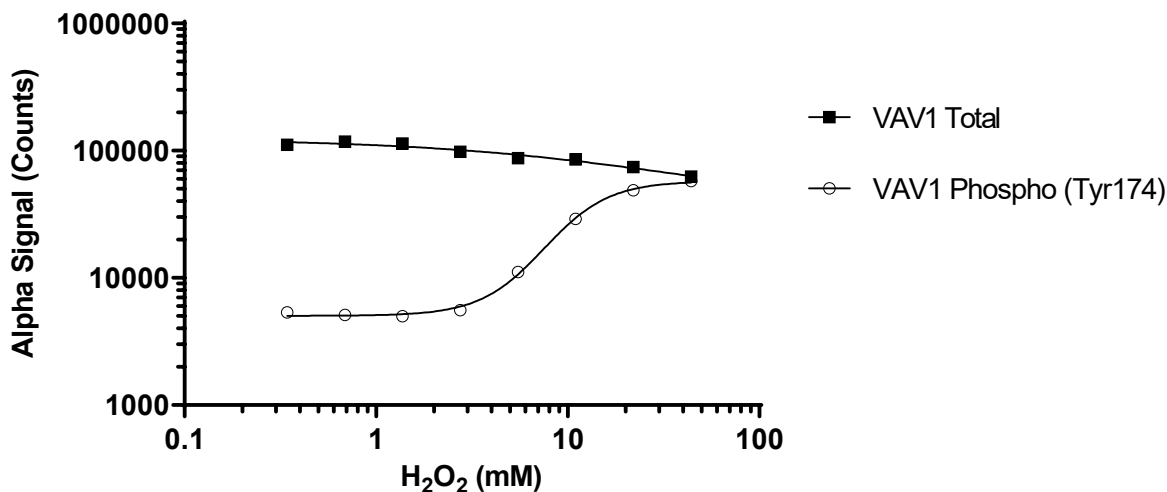
This assay kit contains antibodies which recognize the phospho-Tyr174 epitope and a distal epitope on VAV1. The protein detected by this kit corresponds to UniProt ID P15498. These antibodies recognize VAV1 of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

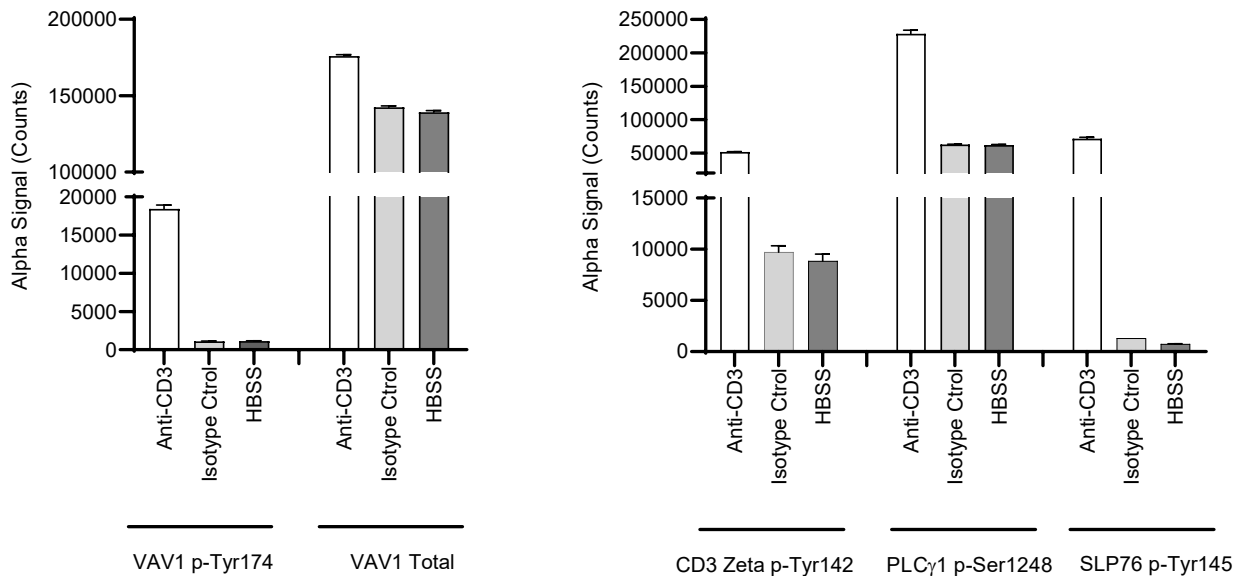
Positive Control Lysate: Prepared from THP1 cells, seeded at 200 K cells/mL and grown for two days in T175 flasks in 10% FBS containing medium. Cells were harvested, washed in HBSS + 0.1% BSA and adjusted to 2×10^6 cells/mL. Cells were treated with 2 mM pervanadate for 10 minutes and lysed with the addition of 5X Lysis Buffer.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. Jurkat cells were plated at 200K cells/well in a 96 well plate in HBSS + 0.1% BSA, then treated with H_2O_2 at the indicated concentrations for 2 minutes. Cells were lysed with 5X Lysis Buffer and assayed for Phospho (Tyr174) and Total VAV1 using respective *SureFire Ultra* kits. Equivalent to approximately 8,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. Jurkat cells were seeded at 5×10^6 cells/well in a 12 well plate in HBSS + 0.1% BSA. Cells were incubated for 1 hour at 37°C then treated with 2.5 µg/mL of anti-CD3 Ab (BD cat# 555329), a mouse IgG Isotype control or HBSS for 2 minutes. Cells were lysed with 5X Lysis Buffer and assayed for Phospho (Tyr174) and Total VAV1 as well as other related targets using respective *SureFire Ultra* kits. Equivalent to approximately 8,000 cells/datapoint.



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