

AlphaLISA® SureFire® Ultra™

Human VAV1 Total Detection Kit

Product number: ALSU-TVAV1-A500, ALSU-TVAV1-A10K,
ALSU-TVAV1-A50K, ALSU-TVAV1-A-HV



Kit specificity:

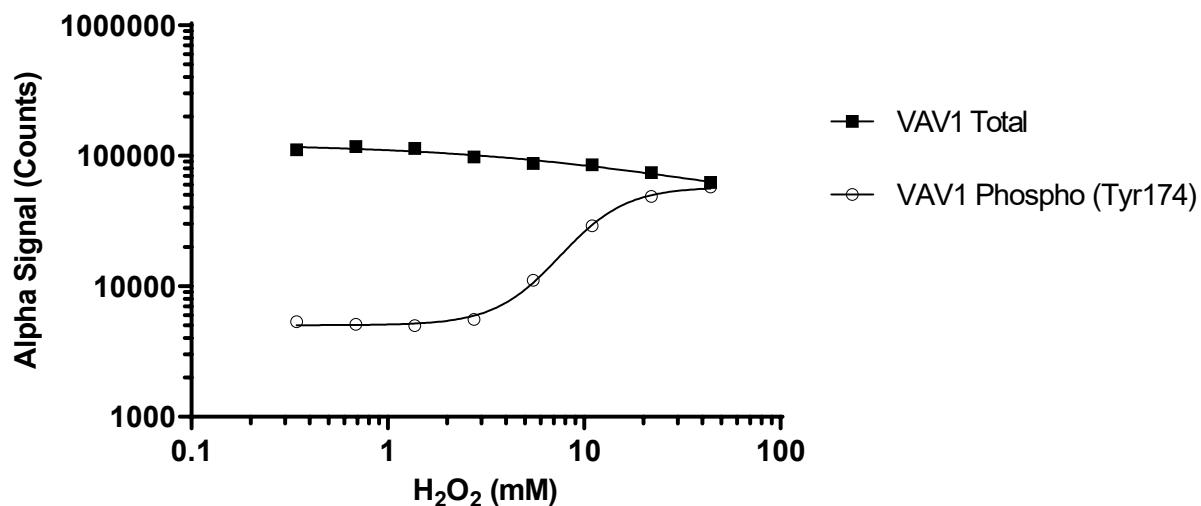
This assay kit contains antibodies which recognize distinct epitopes on VAV1. The protein detected by this kit corresponds to UniProt ID P15498. These antibodies recognize VAV1 of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

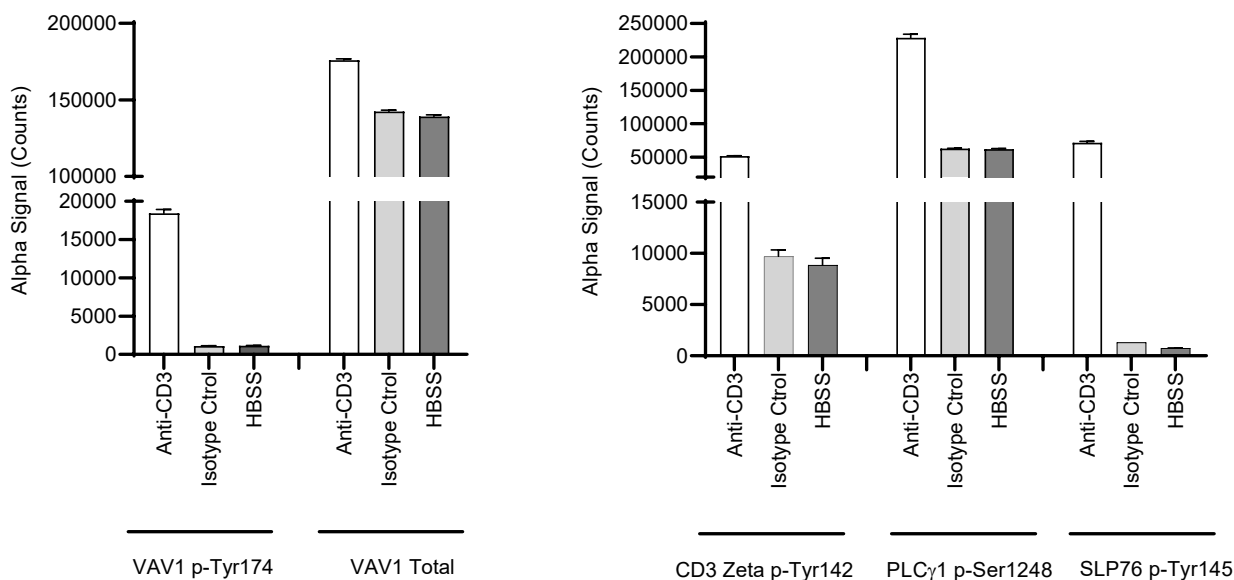
Positive Control Lysate: Prepared from THP1 cells, seeded at 200 K cells/mL and grown for two days in T175 flasks in 10% FBS containing medium. Cells were harvested, washed in HBSS + 0.1% BSA and adjusted to 2×10^6 cells/mL. Cells were treated with 2 mM pervanadate for 10 minutes and lysed with 5X Lysis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