

AlphaLISA® SureFire® Ultra™

Human DAP12 Aggregate Detection Kit

Product number: ALSU-ADAP12-A500, ALSU-ADAP12-A10K,
ALSU-ADAP12-A50K, ALSU-ADAP12-A-HV



Kit specificity:

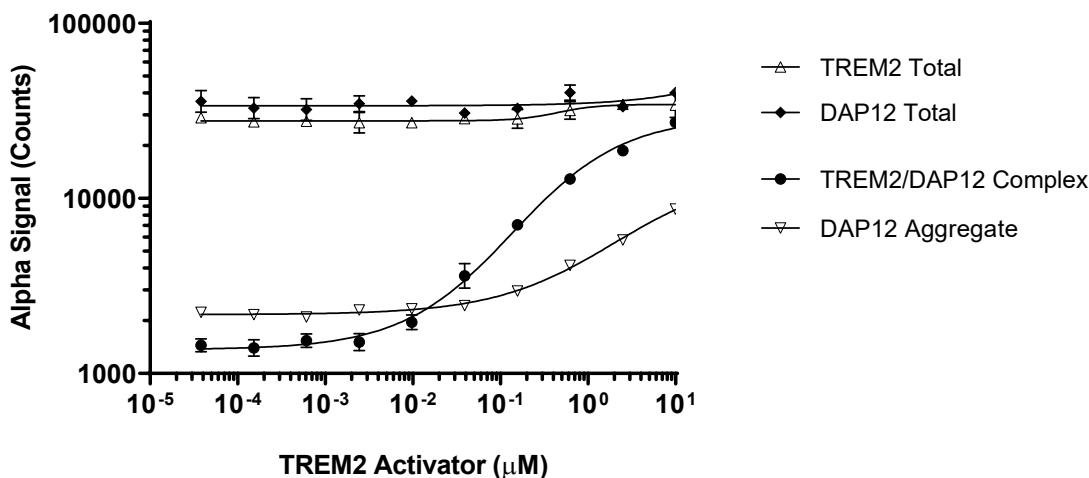
This assay kit contains antibodies which recognize aggregated DAP12. The protein detected by this kit corresponds to UniProt ID O43914. DAP12 is also known as TYRO protein tyrosine kinase-binding protein and DNAX-activation protein 12. These antibodies recognize DAP12 of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

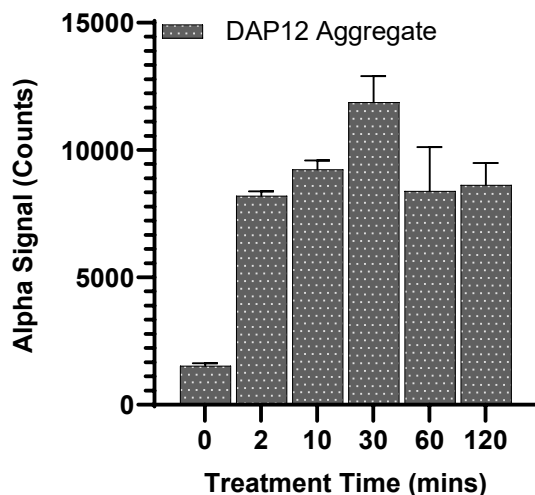
Positive Control Lysate: Prepared from THP 1 cells, seeded at 500K/mL and grown overnight in 10% FBS containing media. Cells were treated with 35 ng/mL TGFβ for 20 hours. Cells were harvested and washed with HBSS + 0.1% BSA, adjusted to 4 x 10⁶ cells/mL and treated with 10 μM TREM2 Activator (HY-O0206, MedChemExpress) for 30 minutes. Cells were lysed with the addition of 5X Lysis Buffer.

Representative data

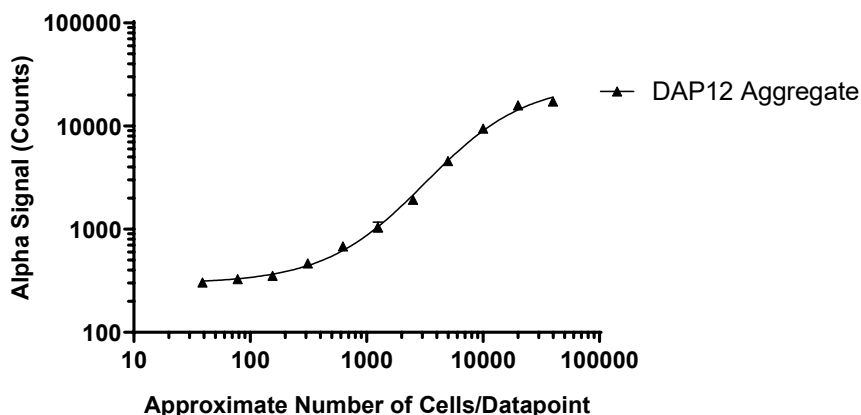
Data obtained with a 2-plate, 2-incubation protocol. THP 1 cells were seeded at 600K/mL in 10% FBS containing media and treated with 35 ng/mL TGFβ for 20 hours. Cells were washed with HBSS + 0.1% BSA and seeded at 400K cells/well in a 96 well plate. Cells were treated with a TREM2 Activator at the indicated concentrations for 10 minutes. Cells were lysed with the addition of 5X Lysis Buffer. and assayed separately for DAP12 Aggregate, TREM2/DAP12 Complex, TREM2 Total and DAP12 Total using respective *SureFire Ultra* kits. Equivalent to approximately 16,000 cells/datapoint and 1,600 cells/datapoint (TREM2 and DAP12 Total).



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Control lysate prepared from THP1 cells was serially diluted in Lysis buffer and assayed for DAP12 Aggregate. Approximate number of cells/datapoint is indicated.



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