

AlphaLISA® SureFire® Ultra™

Human p-PLCγ2 (Tyr1217) Detection Kit

Product number: ALSU-PPLCG2-D500, ALSU-PPLCG2-D10K,
 ALSU-PPLCG2-D50K, ALSU-PPLCG2-D-HV



Kit specificity:

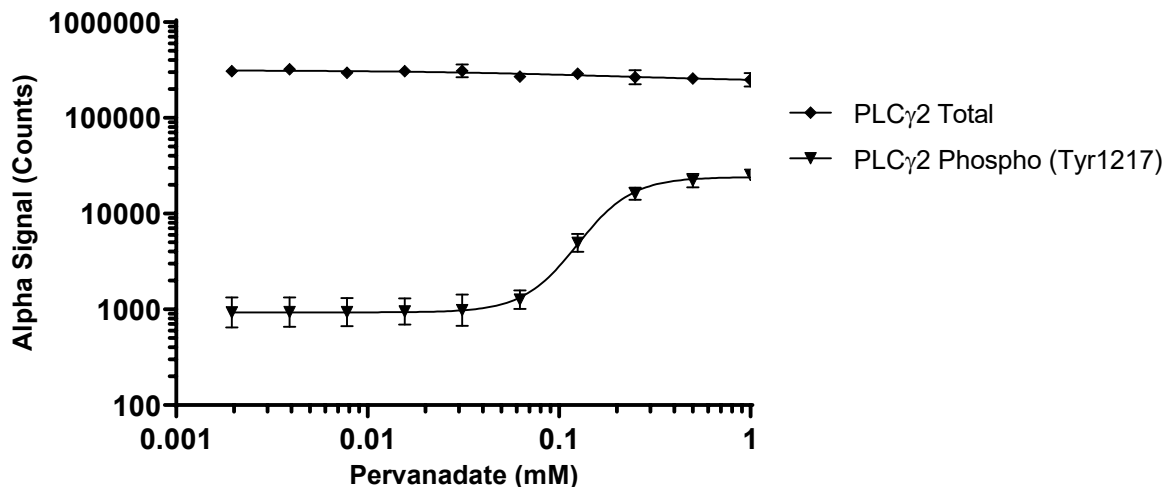
This assay kit contains antibodies which recognize the phospho-Tyr1217 epitope and a distal epitope on PLCγ2. The protein detected by this kit corresponds to UniProt ID P16885. These antibodies recognize PLCγ2 of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:

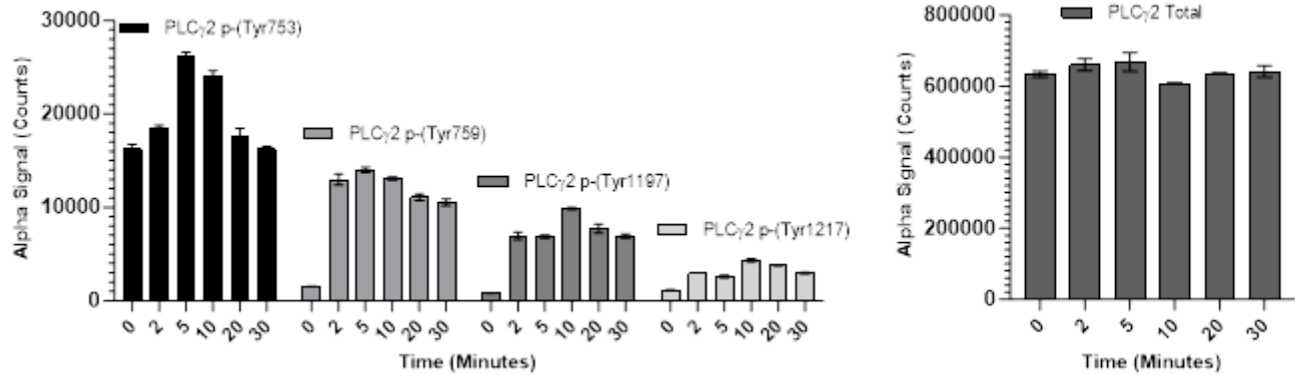
Positive Control Lysate: Prepared from THP-1 cells cultured in 10% FBS containing media. Cells were harvested and washed with HBSS + 0.1% BSA, adjusted to 4×10^6 cells/mL and then treated with 0.25 nM Pervanadate for 30 minutes. Cells were then lysed with the addition of 5X Lysis Buffer.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 80K cells/well in a 96 well plate in HBSS + 0.1% BSA. Cells were treated with Pervanadate at the indicated concentrations for 30 minutes. Cells were lysed with 5X Lysis Buffer and assayed for Phospho (Tyr1217) and Total PLCγ2 using respective SureFire Ultra kits. Equivalent to approximately 3,200 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. Ramos cells were harvested and seeded at 600K cells/well in a 96 well plate in HBSS + 0.1% BSA. Cells were treated with 25 µg/mL of Anti IgM antibody for 0, 2, 5, 10, 20 & 30 minutes. Cells were then lysed with 5X Lysis buffer and assayed for Phospho (Tyr753, Tyr759, Tyr1197, Tyr1217) and Total PLCγ2 in separate wells of an assay plate with respective *SureFire Ultra* kits. Equivalent to approximately 24,000 cells/datapoint.



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