AlphaLISA™ *SureFire*® Biotin Free

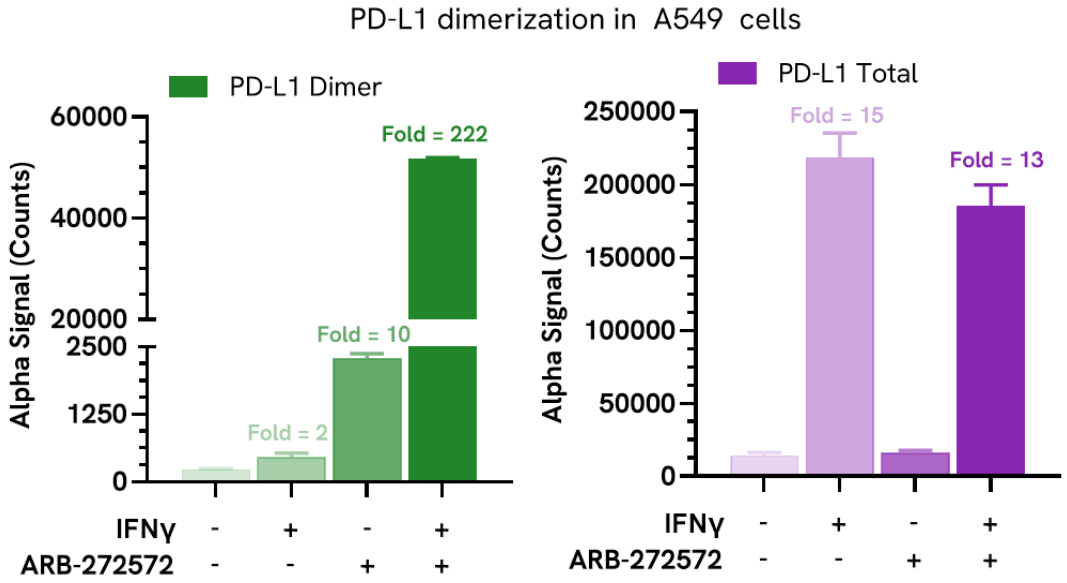
Human PD-L1 Dimer Detection Kit

Product number: ASBF-APDL1-A500, ASBF-APDL1-A10K, ASBF-APDL1-A50K, ASBF-APDL1-A-HV

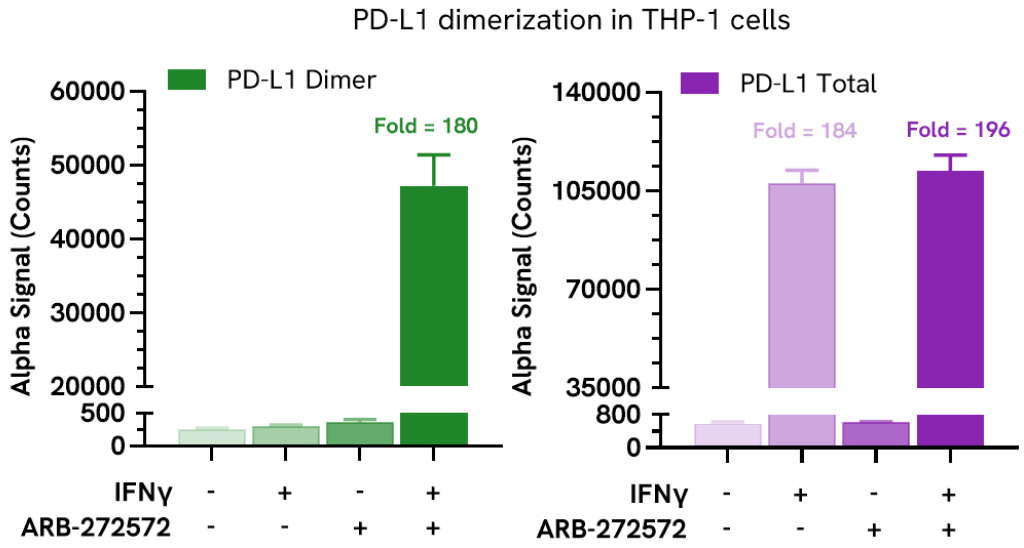
Kit specificity:
This assay kit contains antibodies which are specific for PD-L1 in a dimer form. The protein detected by this kit corresponds to UniProt ID Q9NZQ7. PD-L1 is also known as PDCD1 ligand 1, Programmed death ligand 1, B7 homolog 1 and CD274. These antibodies recognize PD-L1 Dimer of human origin. Other species should be tested on a case-by-case basis.

Control lysate information:
Positive Control Lysate: Prepared from A549 cells, cultured to confluence in T175 flasks in 10% FBS containing medium. Cells were treated with 100 ng/mL IFNγ for 48 hours followed by 10 µM ARB-272572 for 15 minutes. Cells were lysed with 4 mL of Lysis Buffer.

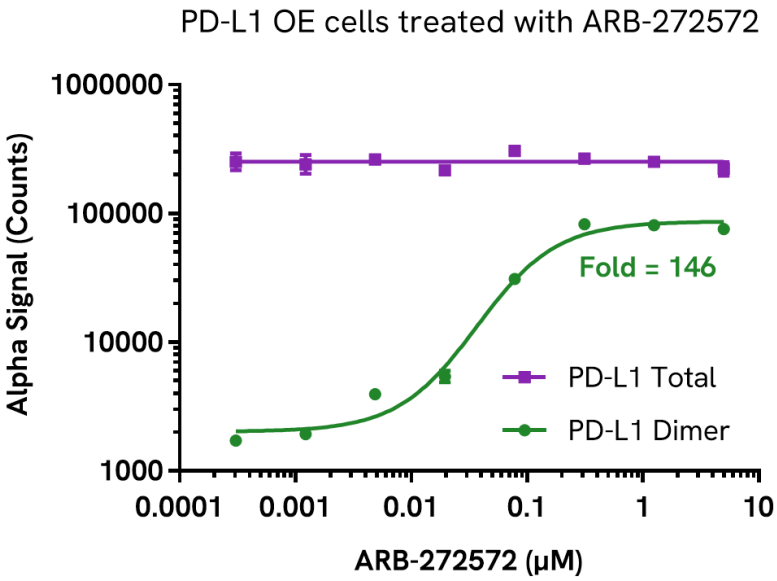
Representative data:
Data obtained with a 2-plate, 2-incubation protocol. A549 cells were seeded at 20K cells/well in a 96 well plate and incubated overnight. Cells were left untreated or treated with 100 ng/mL IFNγ for 48 hours followed by 10 µM ARB-272572 for 15 minutes. Cells were lysed with Lysis Buffer and assayed separately for PD-L1 Dimer and Total using respective *SureFire* Biotin Free kits. Equivalent to approximately 13,000 cells/datapoint for Dimer or 1,000 cells/datapoint for Total.



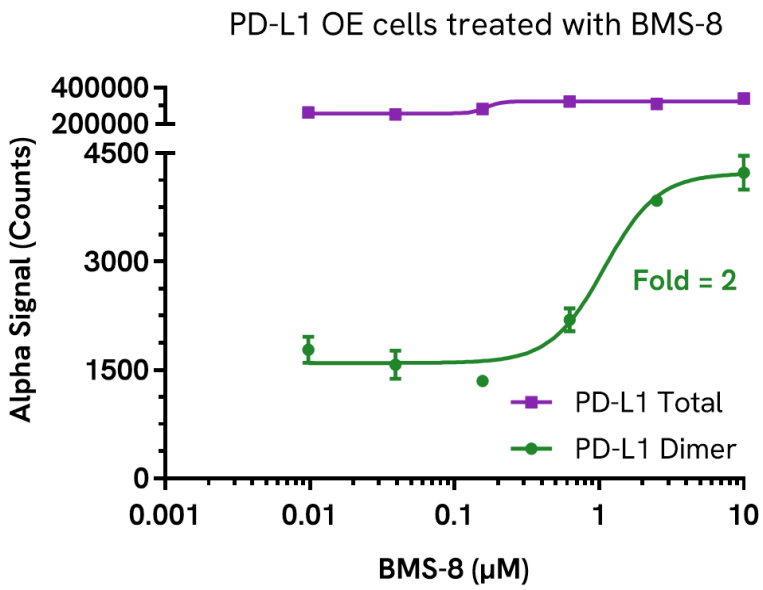
Data obtained with a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 1.25 x 10^6 cells/flask in T25 flasks and were left untreated or treated with 100 ng/mL IFNγ for 48 hours followed by 10 µM of ARB-272572 for 15 minutes. Cells were lysed with Lysis Buffer and assayed separately for PD-L1 Dimer and Total using respective *SureFire* Biotin Free kits. Equivalent to approximately 50,000 cells/datapoint for Dimer or 12,500 cells/datapoint for Total.



Data obtained with a 2-plate, 2-incubation protocol. CHO K1 cells overexpressing PD-L1 were seeded at 20K cells/well in a 96 well plate and incubated overnight. Cells were treated with increasing concentrations of ARB-272572 for 15 minutes. Cells were lysed with Lysis Buffer and assayed separately for PD-L1 Dimer and Total using respective *SureFire* Biotin Free kits. Equivalent to approximately 100 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. CHO K1 cells overexpressing PD-L1 were seeded at 20K cells/well in a 96 well plate and incubated overnight. Cells were treated with increasing concentrations of BMS-8 for 1 hour. Cells were lysed with Lysis Buffer and assayed separately for PD-L1 Dimer and Total using respective *SureFire* Biotin Free kits. Equivalent to approximately 100 cells/datapoint.



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