

AlphaLISA® SureFire® Ultra™

Human p-DDR1 (Tyr513) Detection Kit

Product number: ALSU-PDDR1-A500, ALSU-PDDR1-A10K,
ALSU-PDDR1-A50K, ALSU-PDDR1-A-HV



Kit specificity:

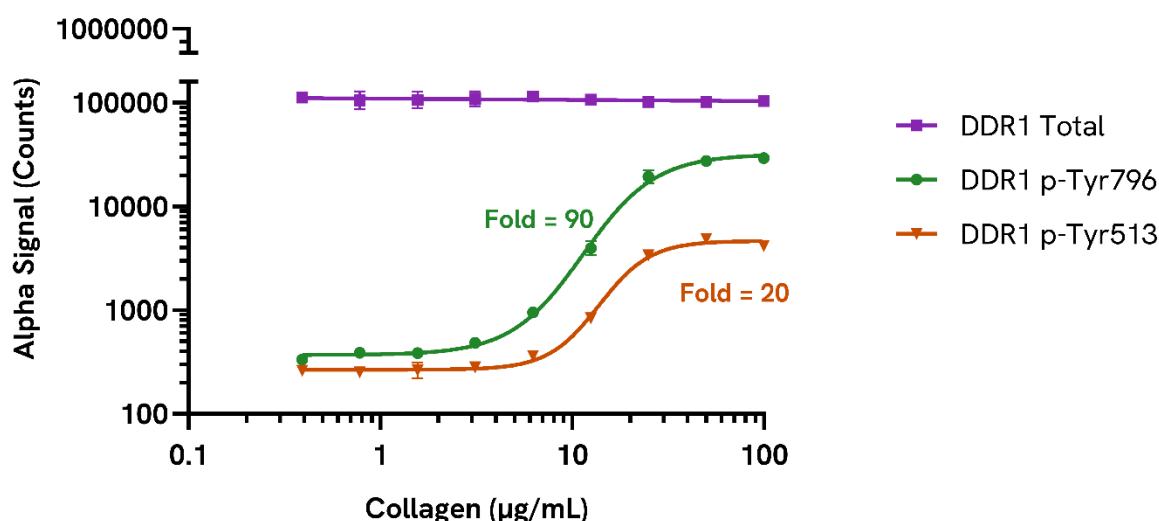
This assay kit contains antibodies which recognize the phospho-Tyr513 epitope and a distal epitope on DDR1. The protein detected by this kit corresponds to UniProt ID Q08345. DDR1 is also known as Epithelial discoidin domain-containing receptor 1 and MCK-10. These antibodies recognize DDR1 of human origin. Other species should be tested on a case-by case basis.

Control lysate information:

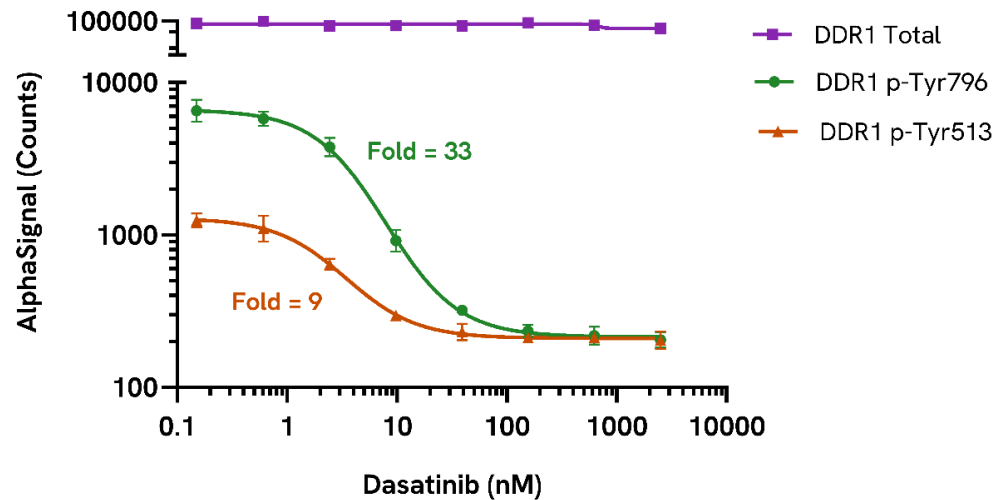
Positive Control Lysate: Prepared from A431 cells, cultured to confluence in T175 flasks in 10% FBS containing media, then treated with 500 μ M Pervanadate for 30 minutes and lysed with 4 mL of Lysis Buffer.

Representative data:

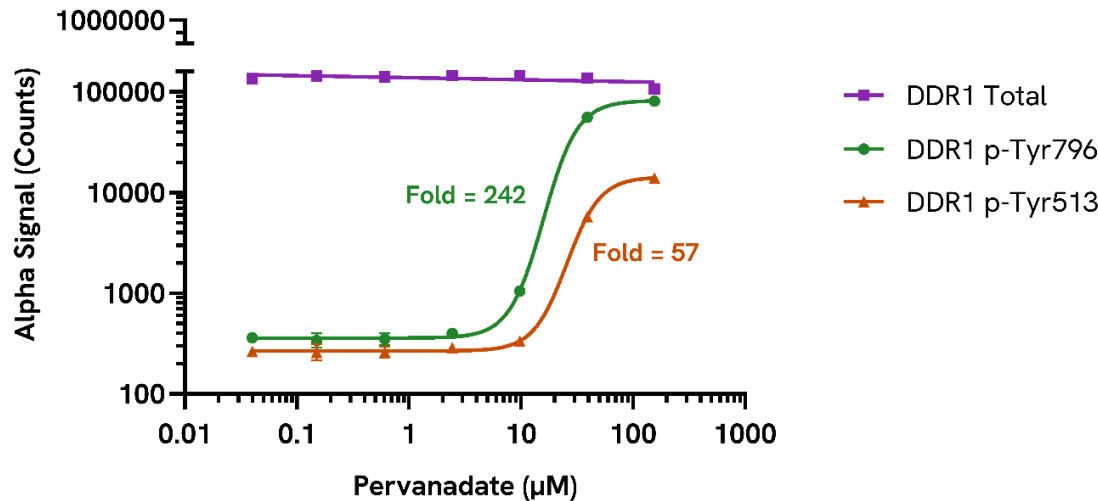
Data obtained with a 2-plate, 2-incubation protocol. T47D cells were seeded at 40K cells/well in a 96 well plate and incubated for 48 hours. Cells were treated with Collagen I (derived from Rat Tail) at the indicated concentrations for 90 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Tyr513, Tyr796) and Total DDR1 using respective SureFire Ultra kits. Equivalent to approximately 8,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. T47D cells were seeded at 80K cells/well in a 96 well plate and incubated overnight. Cells were treated with Dasatinib at the indicated concentrations for 1 hour followed by 50 µg/mL Collagen I for 90 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Tyr513, Tyr796) and Total DDR1 using respective *SureFire Ultra* kits. Equivalent to approximately 8,000 cells/datapoint



Data obtained with a 2-plate, 2-incubation protocol. A431 cells were seeded at 60K cells/well in a 96 well plate and incubated overnight. Cells were treated with Pervanadate at the indicated concentrations for 30 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Tyr513, Tyr796) and Total DDR1 using respective *SureFire Ultra* kits. Equivalent to approximately 6,000 cells/datapoint.



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