

AlphaLISA® SureFire® Ultra™

Human and Mouse PDGF Receptor α Total Detection Kit

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



Kit specificity:

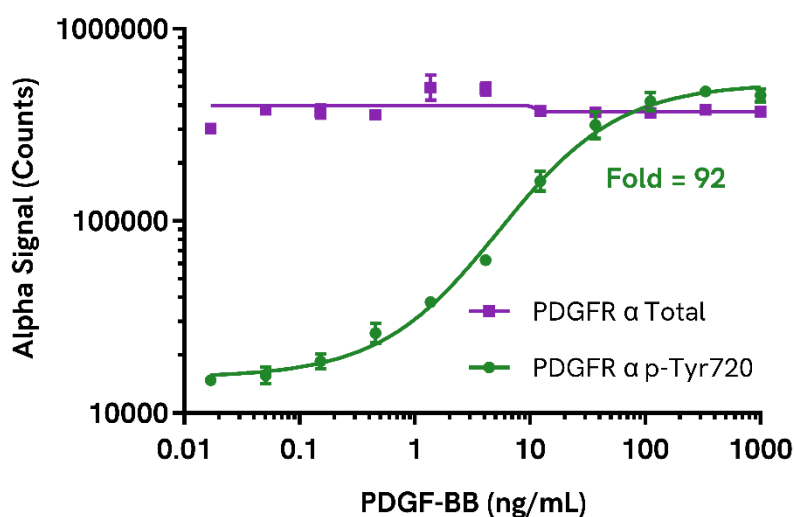
This assay kit contains antibodies which recognize distinct epitopes on PDGF Receptor α . The protein detected by this kit corresponds to UniProt ID P16234. PDGF Receptor α is also known as CD140 antigen-like family member A and Platelet-derived growth factor receptor 2. These antibodies recognize PDGF Receptor α of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

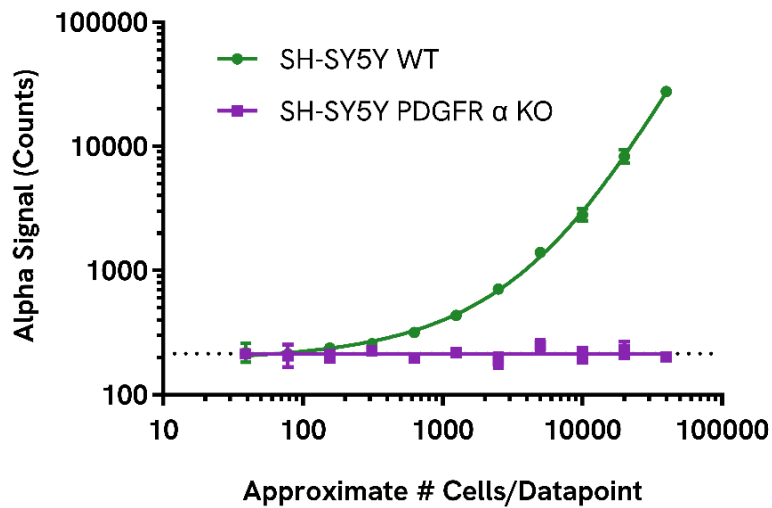
Positive Control Lysate: Prepared from NIH/3T3 cells, cultured to confluence in T175 flasks in 10% FBS containing medium, treated with 100 ng/mL mM PDGF-BB for 10 minutes and lysed with 4 mL of Lysis Buffer.

Representative data:

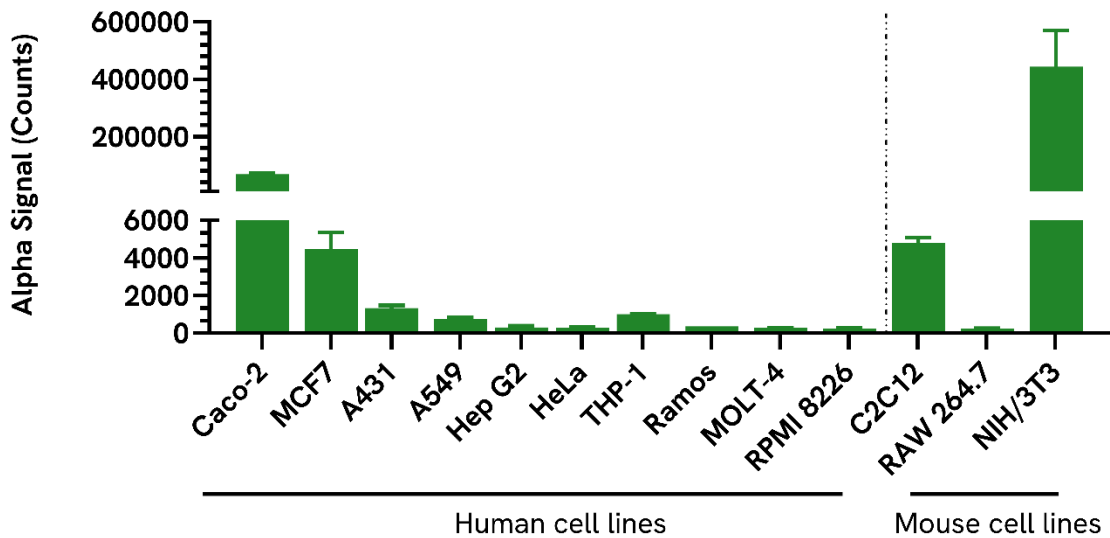
Data obtained with a 2-plate, 2-incubation protocol. NIH/3T3 cells were seeded at 50K cells/well in a 96 well plate and incubated overnight. Cells were treated with PDGF-BB at the indicated concentrations for 10 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Tyr720) and Total PDGF Receptor α using respective SureFire Ultra kits. Equivalent to approximately 5,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. SH-SY5Y wild type (WT) and SH-SY5Y PDGF Receptor α knockout (KO, Abcam ab275335) cell lines were seeded at increasing cell densities in a 96 well plate and incubated overnight. Cells were lysed and assayed for Total PDGF Receptor α using the *SureFire Ultra* kit.



Data obtained from measurement of PDGF Receptor α Total in various cell types lysed with Lysis Buffer. Equivalent to approximately 4,000 cells/datapoint (adherent cells) or 40,000 cells/datapoint (suspension cells).



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