**Technical Data Sheet**

Caution: Research use only.

**AlphaLISA® SureFire® Ultra™**

**p-PDGF Receptor β (Tyr751) Assay Kit**

**Products:** ALSU-PPDGF-A500, ALSU-PPDGF-A10K, ALSU-PPDGF-A50K, ALSU-PPDGF-A-HV

**Kit-Specificity Information**

This assay kit contains antibodies which recognize the phospho-Tyr751 epitope, and a distal epitope, on PDGF Receptor β. The protein detected by this kit corresponds to Entrez-Gene ID 5159. These antibodies recognize PDGF Receptor β of human, rat 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 80-90% confluence in T175 flasks in 10% FBS containing medium, medium removed and then treated with 50ng/mL PDGF-BB for 5min and lysed in 5mL of 1X SureFire Ultra Lysis buffer.

**Representative data**

Data obtained with a 2-plate, 2-incubation protocol. NIH/3T3 cells were seeded at 2X10⁴ cells per well in a 96 well plate and incubated overnight. Cells were then treated for 5 mins with PDGF-BB at the indicated concentrations. Cells were lysed with 1X Lysis buffer, and assayed for total or phospho PDGFR β (Tyr751), using respective SureFire Ultra assay kits.

**PDGF-BB Dose Response - NIH/3T3 cells**