**Technical Data Sheet**

Caution: Research use only.

**Alpha SureFire® Ultra™ Multiplex**

p-IGF-1 Receptor β (Tyr1135/1136) + Total IGF-1 Receptor β

**Assay Kit**

**Products:** MPSU-PTIGFR-K500, MPSU-PTIGFR-K10K, MPSU-PTIGFR-K50K, MPSU-PTIGFR-K-HV

**Kit-Specificity Information**

This assay kit contains antibodies which recognize the phospho-Tyr1135/1136 epitope, and a distal epitope, on IGF-1 Receptor β for phospho IGF-1 Receptor β analysis, plus antibodies to measure the total levels of IGF-1 Receptor β. These antibodies recognize IGF-1 Receptor β of human, mouse and rat 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 medium, then treated with 200μg/mL Insulin for 5min and lysed in 4mL of 1× SureFire Ultra Lysis buffer.

**Representative data**

Data obtained with a 2-plate, 2-incubation protocol. A431 cells were plated at 20K cells per well in a 96 well plate, left overnight and then treated for 5 minutes with insulin in serum-free medium at the indicated concentrations. Cells were lysed with 50μL of 1X Lysis buffer and assayed for both phospho and total IGF-I Receptor β.

**Insulin Dose Response- A431 (5min Treatment)**