Alpha SureFire® Ultra™ Multiplex
p-Insulin Receptor β (Tyr1150/1151) + Total Insulin Receptor β
Assay Kit

Products: MPSU-PTINR-K500, MPSU-PTINR-K10K, MPSU-PTINR-K50K, MPSU-PTINR-K-HV

Kit-Specificity Information
This assay kit contains antibodies which recognize the phospho-Tyr1150/1151 epitope, and a distal epitope, on Insulin Receptor β for phospho Insulin Receptor β analysis, plus antibodies to measure the total levels of Insulin Receptor β. These antibodies recognize Insulin 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 CHO cells transfected with the insulin receptor (CHO-INSR cells), cultured to confluence in T175 flasks in 10% FBS containing medium, then treated with 2μg/mL Insulin and 0.1% BSA for 15 minutes and lysed in 4mL of 1X SureFire Ultra Lysis buffer.

Representative data
Data obtained with a 2-plate, 2-incubation protocol. CHO-INSR cells were plated overnight at 40K cells per well in a 96 well plate, and treated for 15 minutes with insulin in serum-free medium at the indicated concentrations. Cells were lysed with 100μL of 1X Lysis buffer and samples were assayed simultaneously for phospho and total Insulin Receptor β.