

AlphaLISA® SureFire® Ultra™

Human and Mouse PTEN Total Detection Kit

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



Kit specificity:

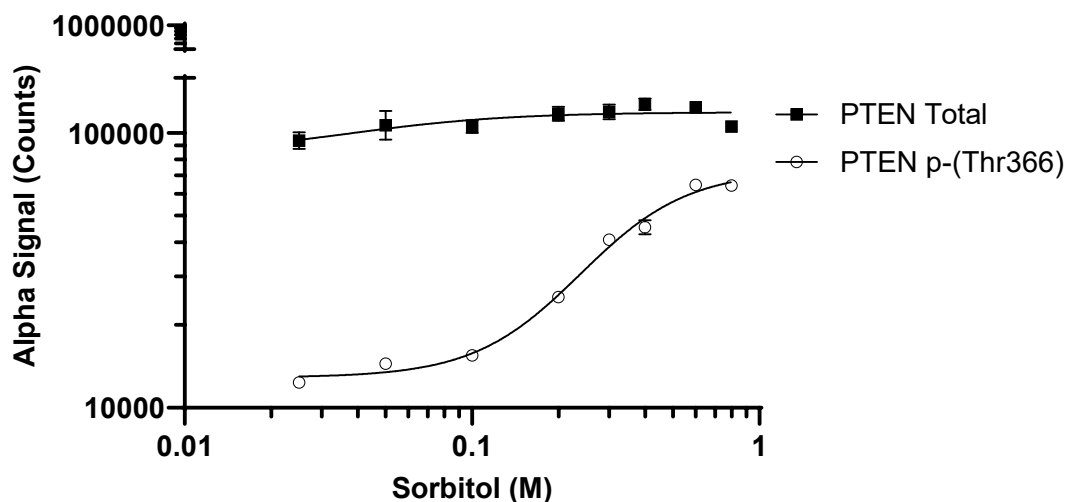
This assay kit contains antibodies which recognize distinct epitopes on PTEN. The protein detected by this kit corresponds to UniProt ID P60484. PTEN is also known as Inositol polyphosphate 3-phosphatase and Phosphatase and tensin homolog. These antibodies recognize PTEN of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

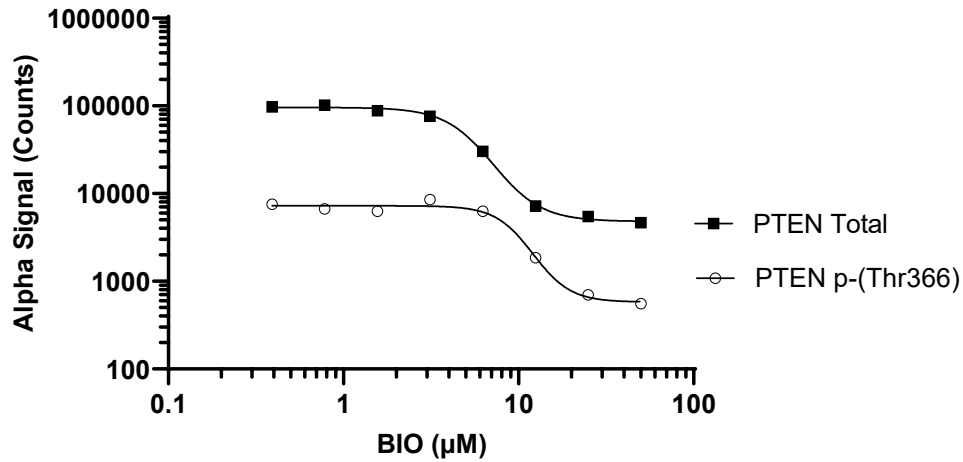
Positive Control Lysate: Prepared from A431 cells, cultured to confluence in T175 flasks in 10% FBS containing medium and lysed with 8 mL of Lysis Buffer.

Representative data

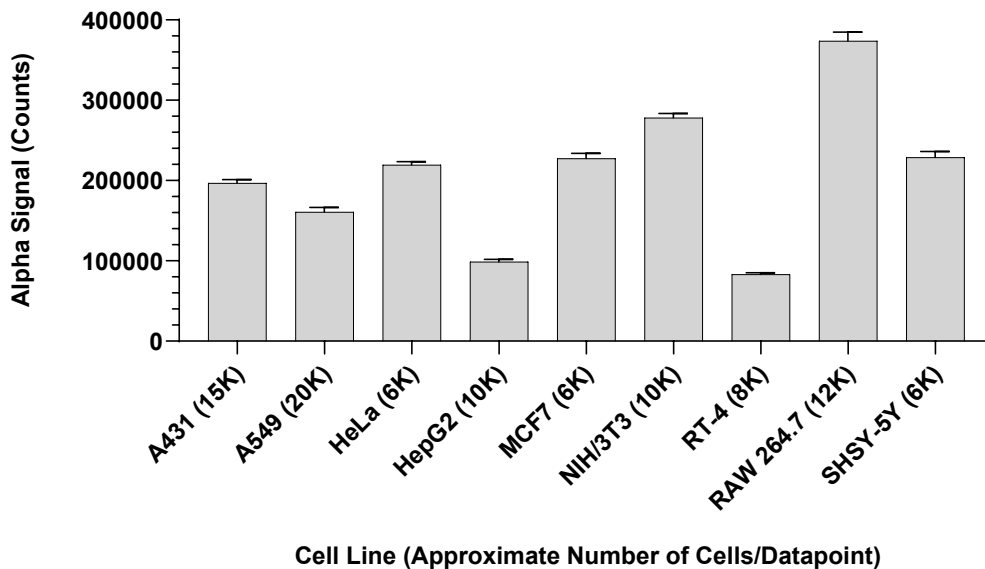
Data obtained with a 2-plate, 2-incubation protocol. HeLa cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with Sorbitol at the indicated concentrations for 60 minutes. Cells were lysed with Lysis Buffer and assayed for Phospho (Thr366) and Total PTEN using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. HeLa cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with BIO (GSK Inhibitor) at the indicated concentrations for 6 hours followed by treatment with 2.5 µg/mL Insulin for 30 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Thr366) or Total PTEN using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint.



Data obtained from measurement of Total PTEN in various cell types lysed with Lysis Buffer. Approximate number of cells/datapoint is indicated for the various cell lines.



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