

# Alpha SureFire® Ultra™ Multiplex

## Human and Mouse p-Btk (Tyr223) + Total Btk Detection Kit

**Product number:** MPSU-PTBTK-K500, MPSU-PTBTK-K10K,  
MPSU-PTBTK-K50K, MPSU-PTBTK-K-HV



### Kit specificity:

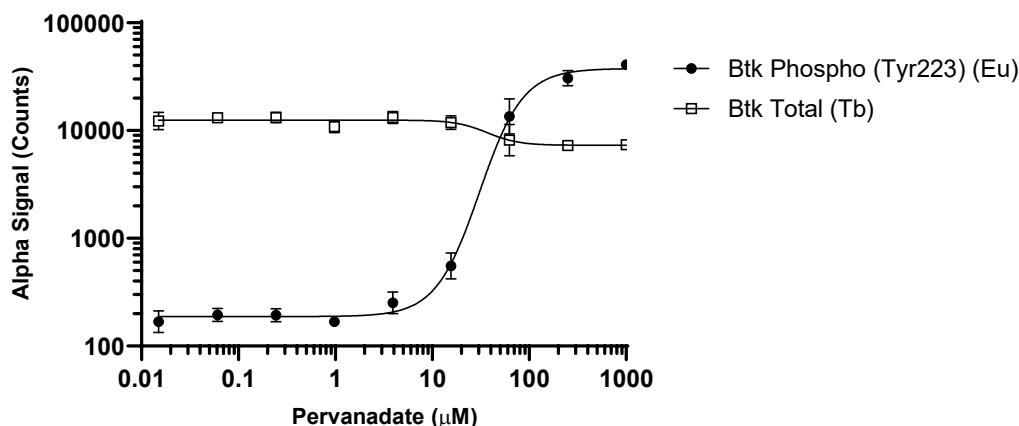
This assay kit contains antibodies which recognize the phospho-Tyr223 epitope and a distal epitope on BTK, plus antibodies to detect Total Btk. The proteins detected by this kit correspond to UniProt ID Q06187. These antibodies recognize BTK of human and mouse origin. Other species should be tested on a case-by-case basis.

### Control lysate information:

Positive Control Lysate: Prepared from U-937 cells cultured in 10% FBS containing medium. Cells were harvested and washed with HBSS + 0.1% BSA, adjusted to  $2 \times 10^6$  cells/mL and treated with 0.5 mM Pervanadate for 30 minutes. Cells were spun down at 300 RCF for 5 minutes and lysed with Lysis Buffer at  $1 \times 10^6$  cells/mL.

### Representative data

Data obtained with a 2-plate, 2-incubation protocol. U937 cells were harvested and washed in HBSS + 0.1% BSA and seeded at 200K cells/well in a 96 well plate. Cells were treated with Pervanadate at the indicated concentrations for 30 minutes. Cells were lysed with 5X Lysis Buffer and assayed for Phospho (Tyr223) and Total BTK in the same wells of an assay plate using the SureFire Ultra Multiplex kit. Equivalent to approximately 8,000 cells/datapoint.



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