

AlphaLISA® SureFire® Ultra™

## Human Btk Total Detection Kit

**Product number:** ALSU-TBTK-A500, ALSU-TBTK-A10K,  
 ALSU-TBTK-A50K, ALSU-TBTK-A-HV



### Kit specificity:

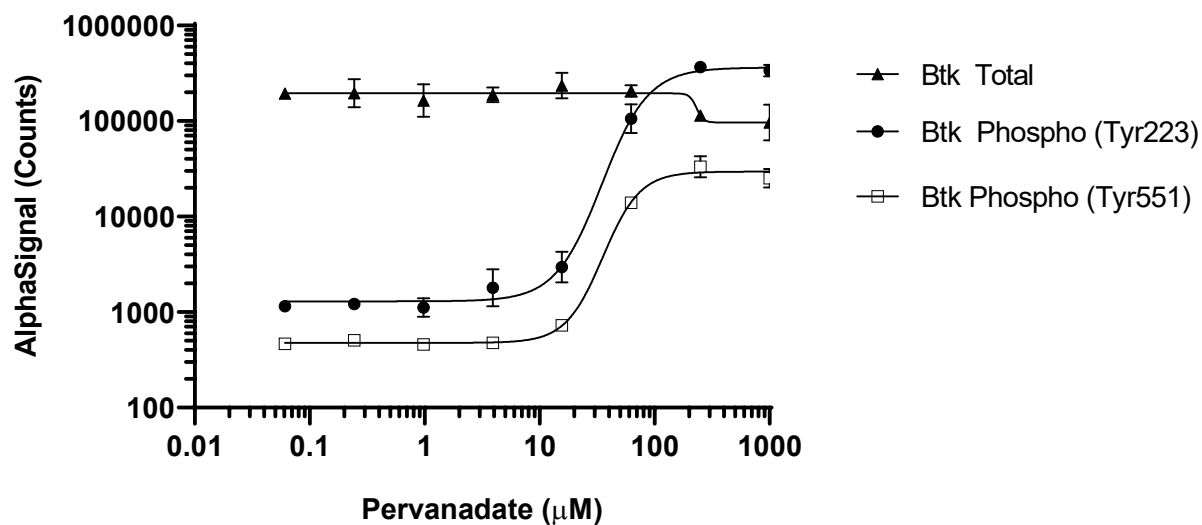
This assay kit contains antibodies which recognize distinct epitopes on Btk. The protein detected by this kit corresponds to UniProt ID Q06187. Btk is also known as Bruton tyrosine kinase. These antibodies recognize Btk of human origin. Other species should be tested on a case-by-case basis.

### Control lysate information:

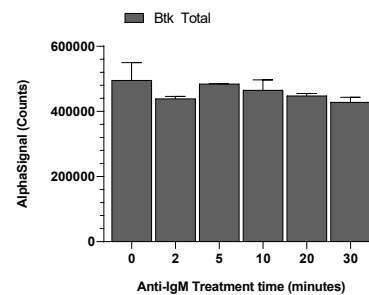
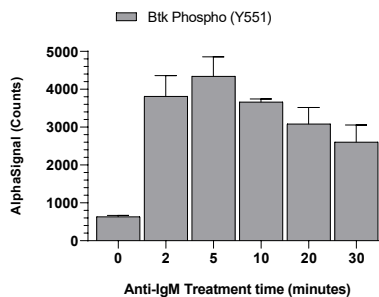
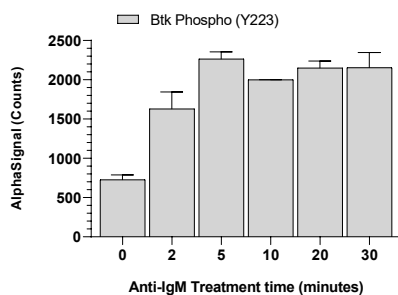
**Positive Control Lysate:** Prepared from U-937 cells cultured in 10% FBS containing medium. Cells were harvested, washed with HBSS + 0.1% BSA and adjusted to  $2 \times 10^6$  cells/mL then treated with 0.5 mM Pervanadate for 30 minutes. Cells were spun down at 300 RCF and lysed at  $1 \times 10^6$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

### Representative data

Data obtained with a 2-plate, 2-incubation protocol. U937 cells were washed and resuspended 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 at a final density of 800K cells/mL and assayed separately for Phospho (Tyr223, Tyr551) and Total Btk using respective *SureFire Ultra* kits. Equivalent to approximately 8,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. Ramos cells were washed and resuspended in HBSS + 0.1% BSA and seeded at 600K cells/well in a 96 well plate. Cells were treated with 20 µg/mL anti-IgM for varying length of time. Cells were lysed with 5X Lysis Buffer and assayed separately for Phospho (Tyr223, Tyr551) and Total Btk using respective *SureFire Ultra* kits. Equivalent to approximately 24,000 cells/datapoint.



The information provided in this document is for reference purposes only and may not be all-inclusive. Revvity, Inc., its subsidiaries, and/or affiliates (collectively, "Revvity") do not assume liability for the accuracy or completeness of the information contained herein. Users should exercise caution when handling materials as they may present unknown hazards. Revvity shall not be liable for any damages or losses resulting from handling or contact with the product, as Revvity cannot control actual methods, volumes, or conditions of use. Users are responsible for ensuring the product's suitability for their specific application. REVVITY EXPRESSLY DISCLAIMS ALL WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, REGARDLESS OF WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED, ALLEGEDLY ARISING FROM ANY USAGE OF ANY TRADE OR ANY COURSE OF DEALING, IN CONNECTION WITH THE USE OF INFORMATION CONTAINED HEREIN OR THE PRODUCT ITSELF"

