

AlphaLISA™ SureFire® Biotin Free

## Human and Mouse ERK 1/2 Total Detection Kit

**Product number:** ASBF-TERK-A500, ASBF-TERK-A10K,  
ASBF-TERK-A50K, ASBF-TERK-A-HV



### Kit specificity:

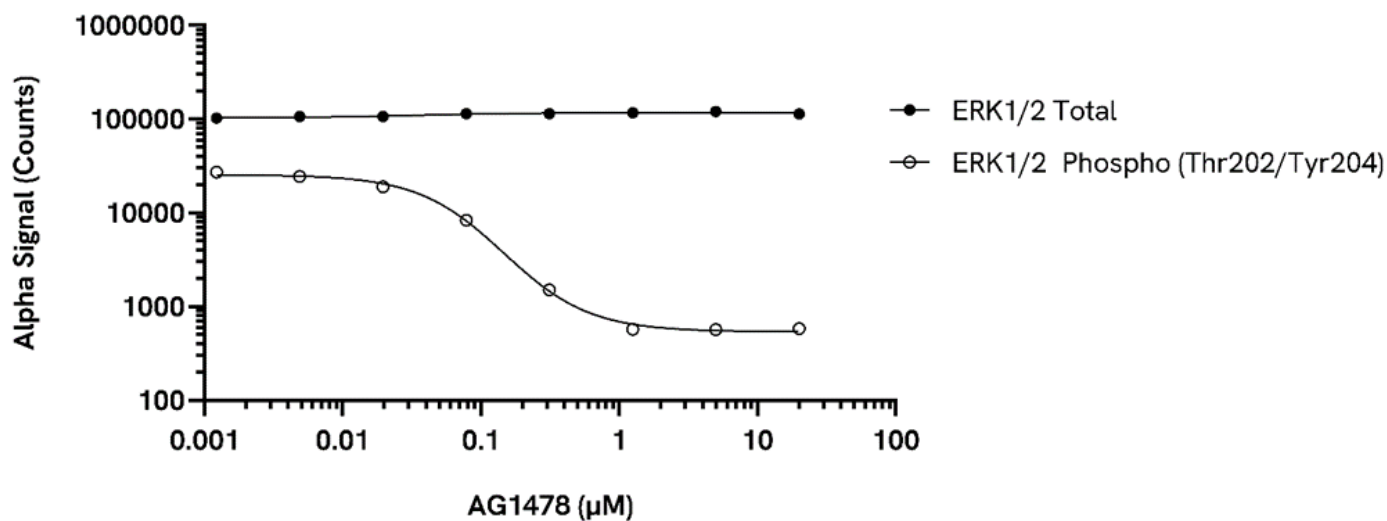
This assay kit contains antibodies which recognize distinct epitopes on ERK1/2. The proteins detected by this kit correspond to UniProt IDs P27361 (ERK1) and P28482 (ERK2). ERK1/2 is also known as p44 MAPK, MAPK3 (ERK1) and p42 MAPK, MAPK1 (ERK2). These antibodies recognize ERK1/2 of human and mouse origin. Other species should be tested on a case-by-case basis.

### Control lysate information:

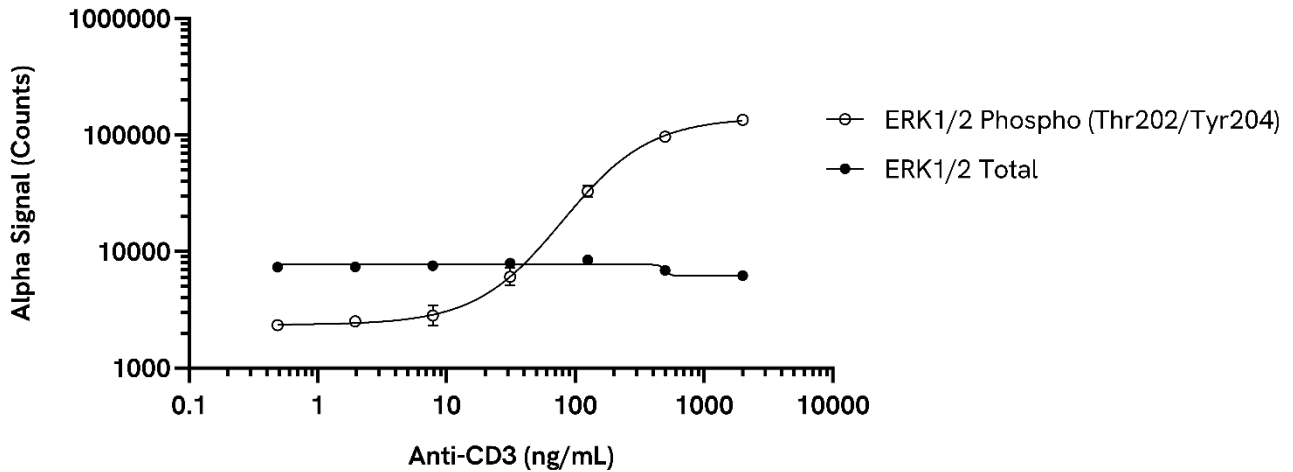
Positive Control Lysate: Prepared from A431 cells, cultured to confluence in T175 flasks in 10% FBS containing media, then treated with 200 ng/mL EGF for 10 minutes and lysed with 10 mL of Lysis Buffer.

### Representative data:

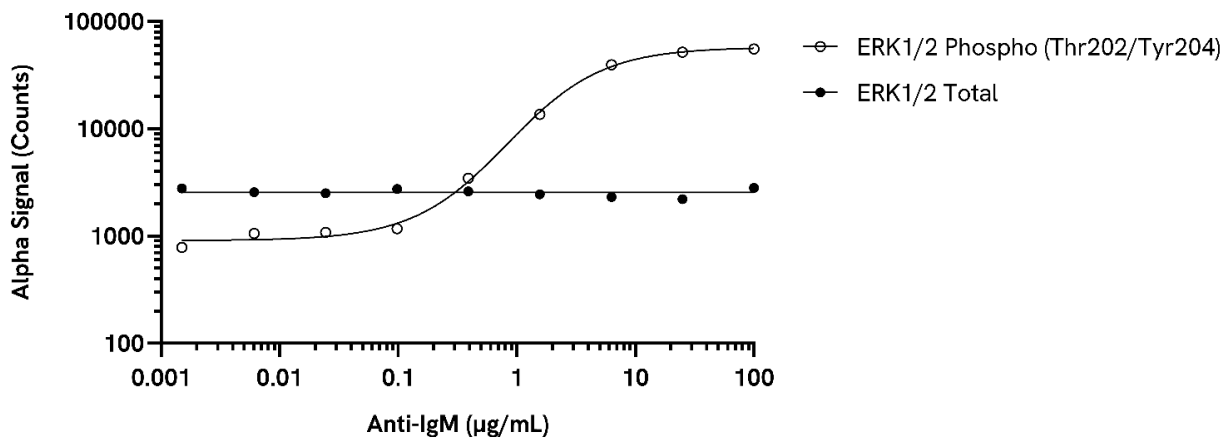
Data obtained with a 2-plate, 2-incubation protocol. PC-3 cells were seeded at 40K cells/well in a 96 well plate in complete Ham's F-12K (Kaighn's) medium and incubated overnight. Cells were treated with AG1478 for 2 hours at the indicated concentrations and then 1 ng/mL EGF for 30 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Thr202/Tyr204) and Total ERK1/2 using respective SureFire Biotin Free kits. Equivalent to approximately 2,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. Jurkat cells were seeded at 200K cells/well in a 96 well plate and starved for 1 hour in serum-free RPMI 1640 medium. Cells were treated with Anti-CD3 antibody at the indicated concentrations for 5 minutes. Cells were lysed with the addition of 5X Lysis Buffer and assayed separately for Phospho (Thr202/Tyr204) and Total ERK1/2 using respective *SureFire* Biotin Free kits. Equivalent to approximately 8,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. Ramos cells were seeded at 200K cells/well in a 96 well plate and starved for 1 hour in serum-free RPMI 1640 medium. Cells were treated with Anti-IgM antibody at the indicated concentrations for 20 minutes. Cells were lysed with the addition of 5X Lysis Buffer and assayed separately for Phospho (Thr202/Tyr204) and Total ERK1/2 using respective *SureFire* Biotin Free kits. Equivalent to approximately 8,000 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"

