

AlphaLISA® SureFire® Ultra™

Human and Mouse SMAD3 Total High Specificity Detection Kit

Product number: ALSU-TSM3-B500, ALSU-TSM3-B10K,
ALSU-TSM3-B50K, ALSU-TSM3-B-HV



Kit specificity:

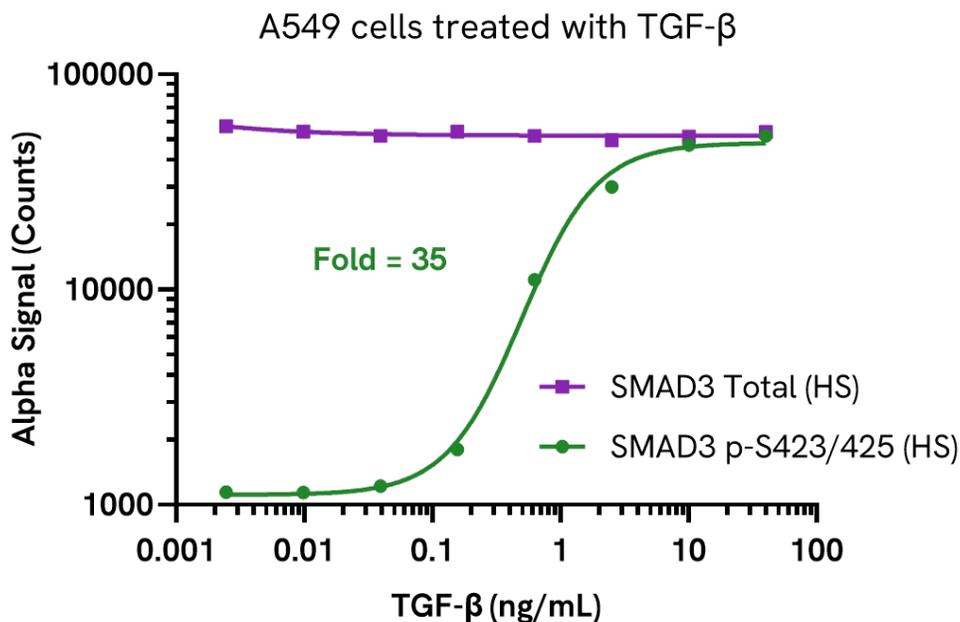
This assay kit contains antibodies which recognize distinct epitopes on SMAD3. The protein detected by this kit corresponds to UniProt ID P84022. SMAD3 is also known as Mothers against decapentaplegic homolog 3, JV15-2 and MAD homolog 3. These antibodies recognize SMAD3 of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

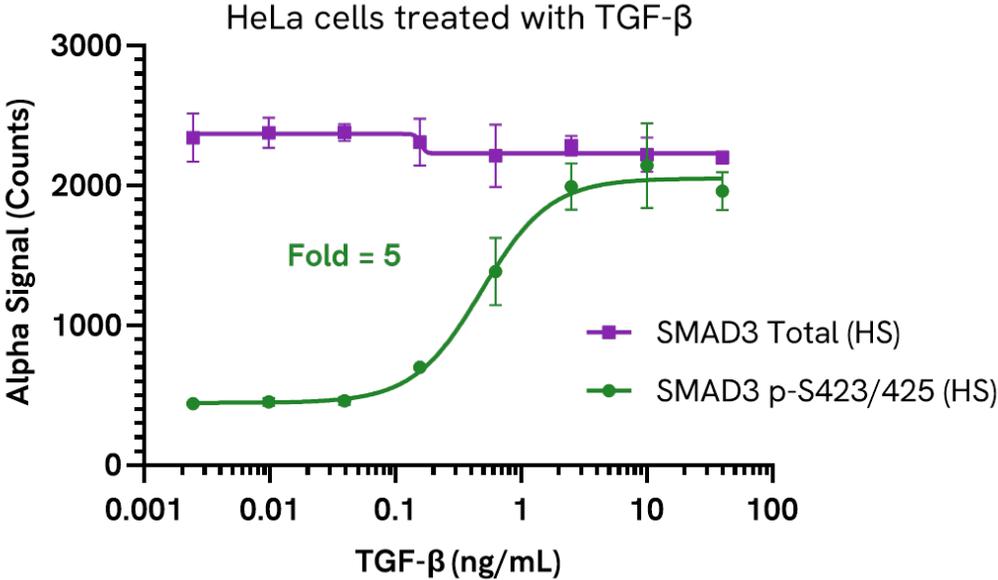
Positive Control Lysate: Prepared from RAW 264.7 cells cultured to confluence in T175 flasks in 10% FBS containing medium, treated with 50 ng/mL TGF-β for 90 minutes and lysed with 6 mL of Lysis Buffer.

Representative data:

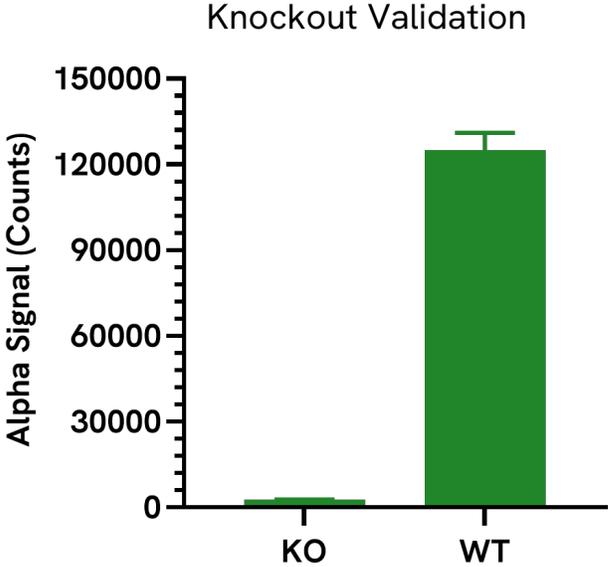
Data obtained with a 2-plate, 2-incubation protocol. A549 cells were seeded at 40K cells/well in a 96-well plate and incubated overnight. Cells were starved for 1 hour and then treated with increasing concentrations of TGF-β for 90 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser423/425) and Total SMAD3 using the SureFire Ultra High Specificity kits. Equivalent to approximately 2,000 cells/datapoint.



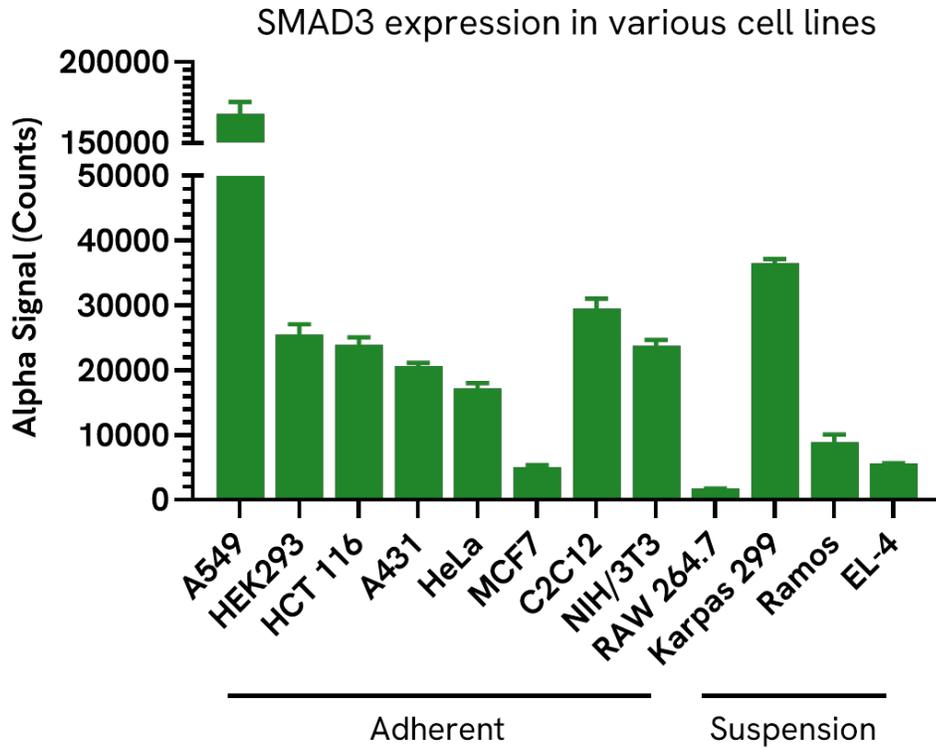
Data obtained with a 2-plate, 2-incubation protocol. HeLa cells were seeded at 40K cells/well in a 96-well plate and incubated overnight. Cells were treated with increasing concentrations of TGF- β for 90 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser423/425) and Total SMAD3 using the *SureFire Ultra High Specificity* kits. Equivalent to approximately 2,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. A549 wild type (WT) and SMAD3 knockout (KO, Abcam ab263915) cells were grown to confluency in T175 flasks. Cells were lysed with Lysis Buffer and assayed for Total SMAD3 using the *SureFire Ultra High Specificity* kit. Equivalent to approximately 12,000 cells/datapoint.



Data obtained from measurement of SMAD3 in various cell types lysed with Lysis Buffer. Equivalent to approximately 10,000 cells/datapoint for adherent cells or 32,000 cells/datapoint for suspension cells.



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"

