

AlphaLISA® SureFire® Ultra™

# Human and Mouse SMAD1 Total Detection Kit

**Product number:** ALSU-TSM1-A500, ALSU-TSM1-A10K,  
ALSU-TSM1-A50K, ALSU-TSM1-A-HV



## Kit specificity:

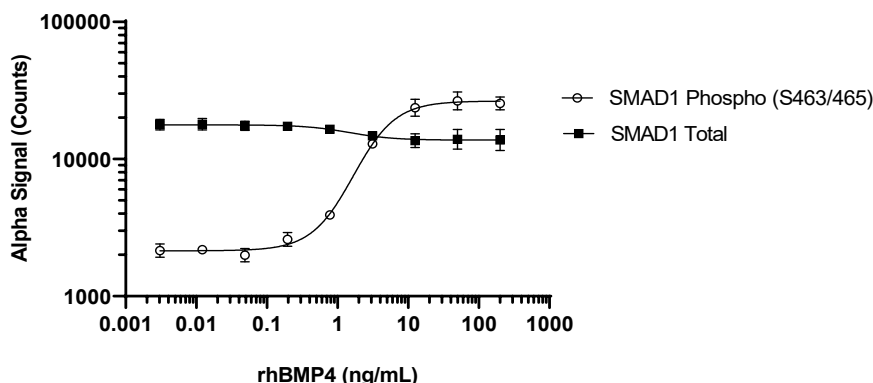
This assay kit contains antibodies which recognize distinct epitopes on SMAD1. The protein detected by this kit corresponds to UniProt ID Q15797. SMAD1 is also known as Mothers against decapentaplegic homolog 1, MAD homolog 1, JV4-1 and Transforming growth factor-beta-signaling protein 1. These antibodies recognize SMAD1 of human and mouse origin. Other species should be tested on a case-by-case basis.

## Control lysate information:

Positive Control Lysate: Prepared from A549 cells, cultured to confluence in T175 flasks in 10% FBS containing media, then treated with 50 ng/mL BMP4 for 30 minutes and lysed with 4 mL of Lysis Buffer.

## Representative data

Data obtained with a 2-plate, 2-incubation protocol. C2C12 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with rhBMP4 at the indicated concentrations for 30 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Ser463/465) and Total SMAD1 using respective SureFire Ultra kits. Equivalent to approximately 4,000 cells/datapoint.



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