

AlphaLISA® SureFire® Ultra™

Human and Mouse p-SMAD1 (Ser463/465) Detection Kit

Product number: ALSU-PSM1-A500, ALSU-PSM1-A10K,
ALSU-PSM1-A50K, ALSU-PSM1-A-HV



Kit specificity:

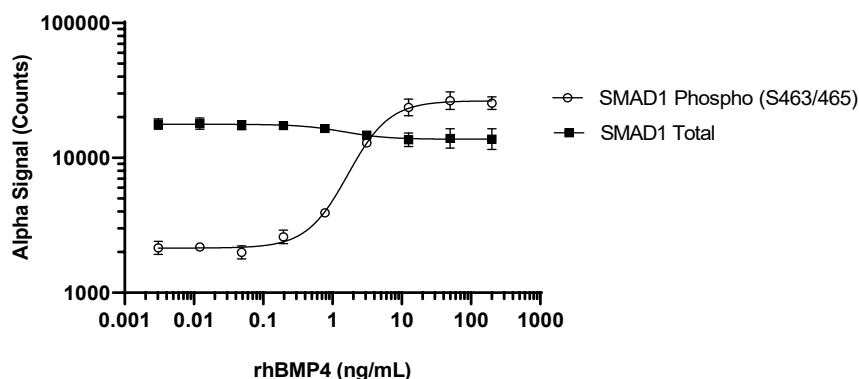
This assay kit contains antibodies which recognize the Phospho-Ser463/465 epitope and a distal epitope on SMAD1. The protein detected by this kit corresponds to UniProt ID Q15797. SMAD1 is also known as Mothers against decapentaplegic homolog 1, MAD homolog 1, JV4-1 and Transforming growth factor-beta-signaling 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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