AlphaLISA® *SureFire® Ultra™*

Human and Mouse p-TAK1 (Thr184/187) Detection Kit

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

Kit specificity:

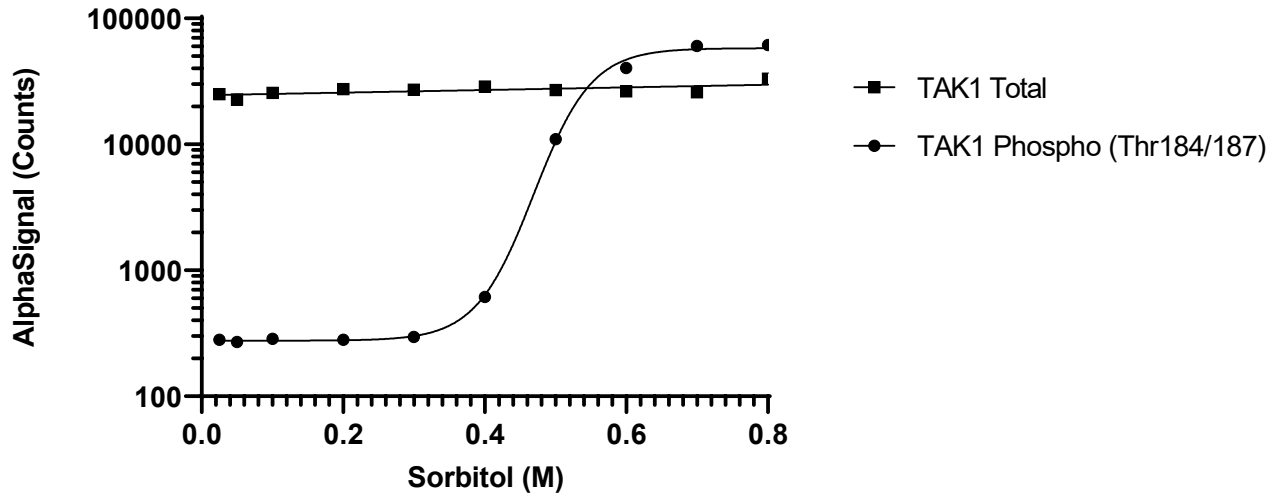
This assay kit contains antibodies which recognize the phospho-Thr184/187 epitope and a distal epitope on TAK1. The protein detected by this kit corresponds to UniProt ID O43318. TAK1 is also known as TGF-beta-activated kinase 1 and MAP3K7. These antibodies recognize TAK1 of human and mouse origin. Other species should be tested on a case-by-case basis.

Control lysate information:

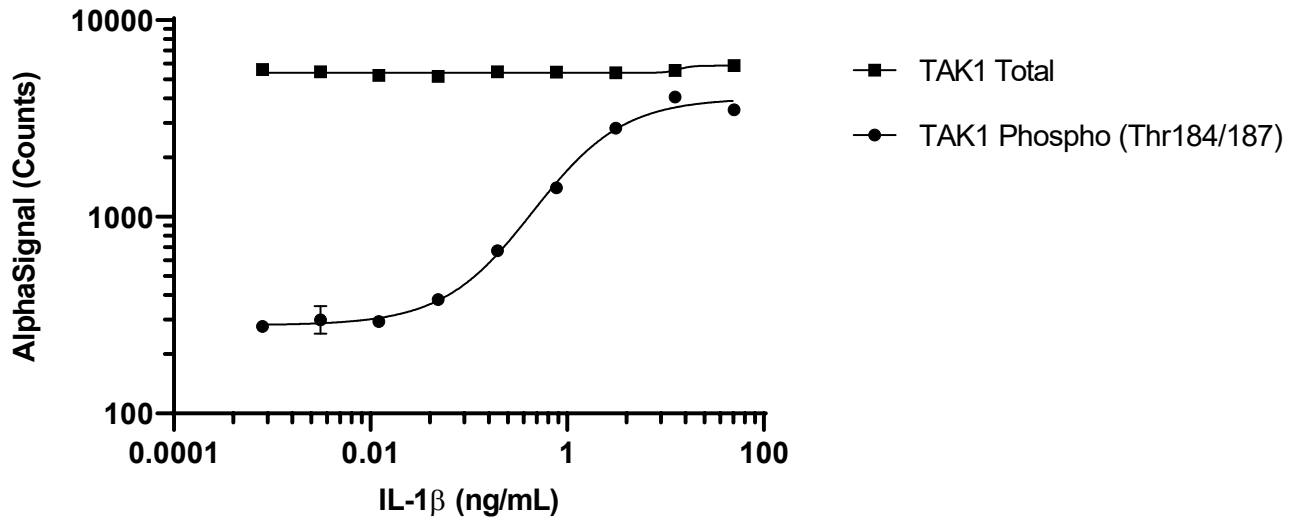
Positive Control Lysate: Prepared from HEK293 cells, cultured to confluence in T175 flasks in 10% FBS containing medium, then treated with 0.8M Sorbitol for 30 minutes and lysed with 4 mL of Lysis Buffer.

Representative data

Data obtained with a 2-plate, 2-incubation protocol. HEK293 cells were plated at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with Sorbitol at the indicated concentrations for 30 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Thr184/187) and Total TAK1 using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. HeLa cells were plated at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with IL-1β at the indicated concentrations with 10 ng/mL Calyculin for 10 minutes. Cells were lysed with Lysis Buffer and assayed separately for Phospho (Thr184/187) and Total TAK1 using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint.



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