

AlphaLISA® SureFire® Ultra™

# Human and Mouse HDAC4 Total Detection Kit

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



**Kit specificity:**

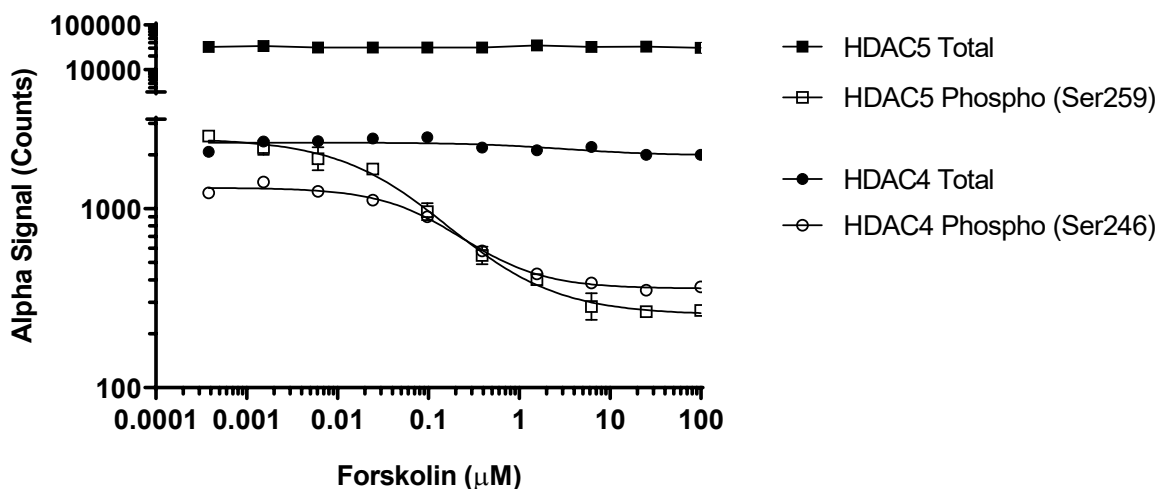
This assay kit contains antibodies which recognize distinct epitopes on HDAC4. The protein detected by this kit corresponds to UniProt ID P56524. HDAC4 is also known as Histone deacetylase 4, Histone deacetylase A and HDACA. These antibodies recognize HDAC4 of human and mouse origin. Other species should be tested on a case-by-case basis.

**Control lysate information:**

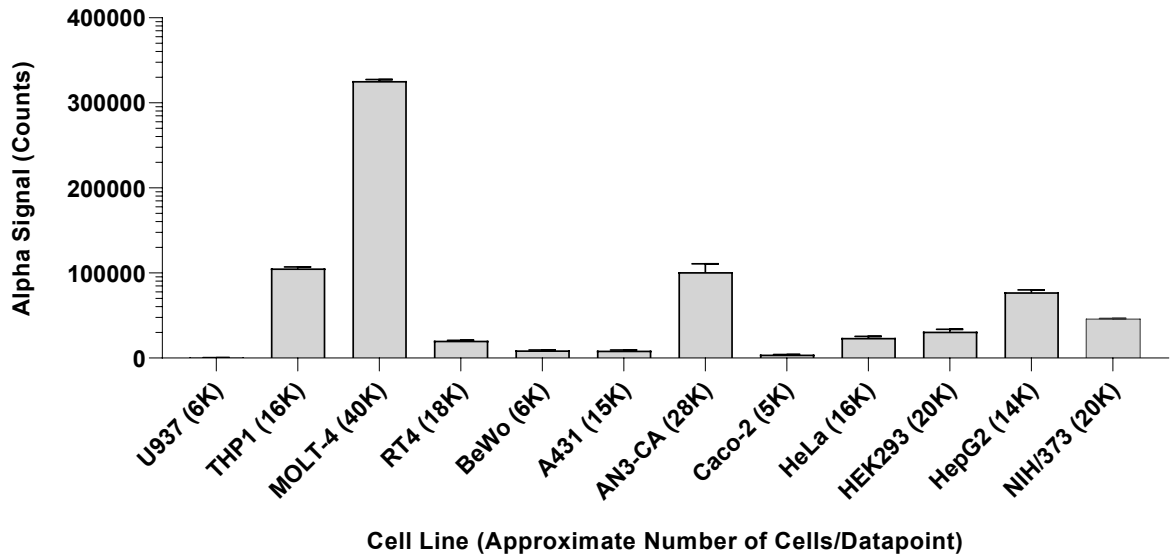
Positive Control Lysate: Prepared from MOLT-4 cells cultured in 10% FBS containing media. Cells were washed in HBSS + 0.1% BSA, spun down at 300 RCF for 5 minutes and then lysed in Lysis Buffer at 10 x 10<sup>6</sup> cells/mL.

**Representative data**

Data obtained with a 2-plate, 2-incubation protocol. HEK293 cells were plated at 20K cells/well in a 96 well plate and incubated for 48 hours. Cells were treated with Forskolin at the indicated concentrations for 1 hour. Cells were lysed with Lysis Buffer and assayed separately for various targets using respective *SureFire Ultra* kit. Equivalent to approximately 8,000 cells/datapoint.



Data obtained from measurement of HDAC4 Total in various cell types lysed with Lysis Buffer. Approximate number of cells/datapoint is indicated for the various cell lines.



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