AlphaLISA™ *SureFire*® Biotin Free

# Human and Mouse KAT7 Total Detection Kit

**Product number:** ASBF-TKAT7-A500, ASBF-TKAT7-A10K, ASBF-TKAT7-A50K, ASBF-TKAT7-A-HV

**Kit specificity:**

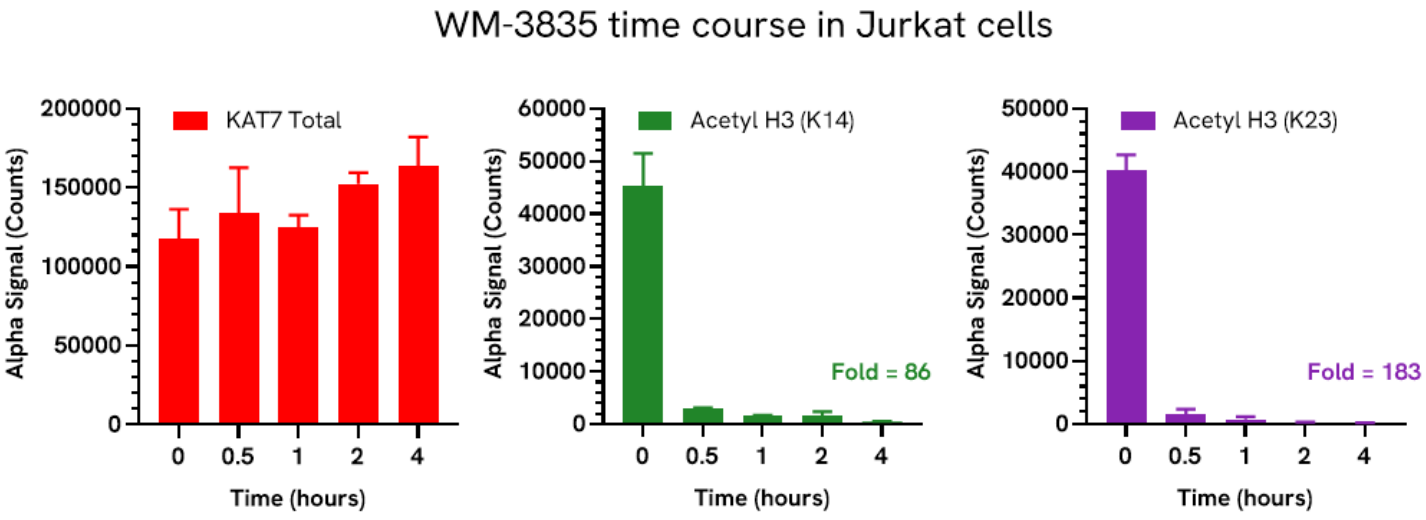
This assay kit contains antibodies which recognize distinct epitopes on KAT7. The protein detected by this kit corresponds to UniProt ID O95251. KAT7 is also known as HBO1 and MYST2. These antibodies recognize KAT7 of human and mouse origin. Other species should be tested on a case-by-case basis.

**Control lysate information:**

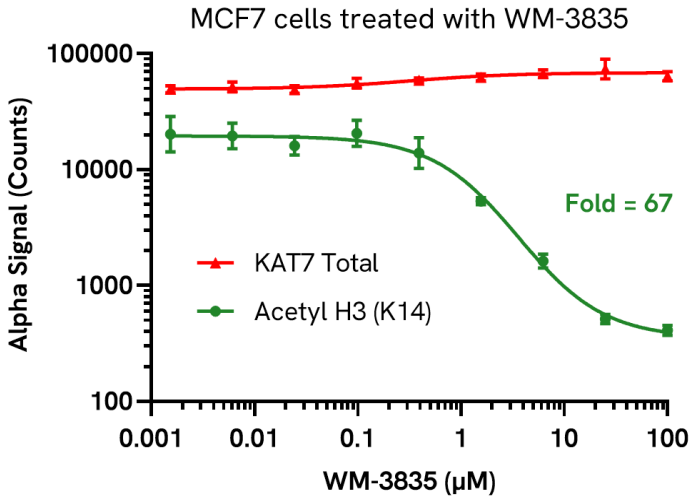
Positive Control Lysate: Prepared from Jurkat cells, cultured in T175 flasks in 10% FBS containing media. Cells were lysed at a density of 3.2 x $10^6$ cells/mL with Lysis Buffer B.

**Representative data:**

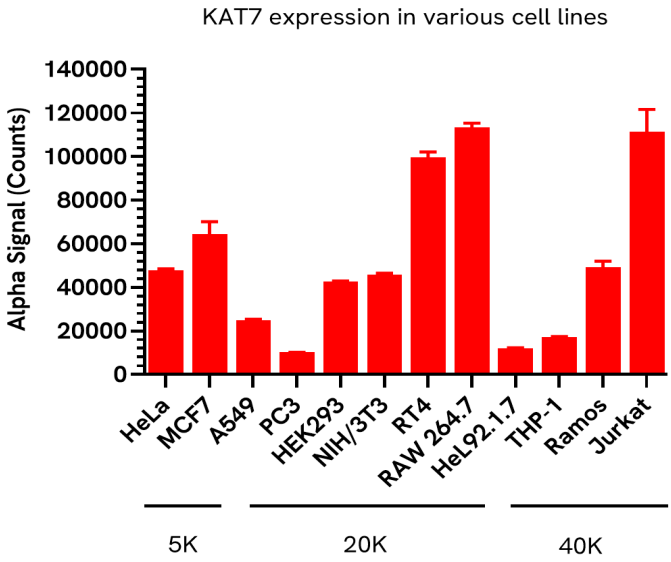
Data obtained with a 2-plate, 2-incubation protocol. Jurkat cells were seeded at 400K cells/well in a 96 well plate and treated with 10 µM WM-3835 for indicated times. Cells were lysed with Lysis Buffer B and assayed separately for Total KAT7, Acetyl Histone H3 (K14) and (K23) using respective *SureFire* Biotin Free kits. Equivalent to approximately 40,000 cells/datapoint for KAT7 and approximately 20,000 cells/datapoint for Acetyl Histone H3 (K14) and (K23).



Data obtained with a 2-plate, 2-incubation protocol. MCF7 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with increasing concentrations of WM-3835 for 4 hours. Cells were lysed with Lysis Buffer B and assayed separately for Total KAT7 and Acetyl Histone H3 (K14) using respective *SureFire* Biotin Free kits. Equivalent to approximately 4,000 cells/datapoint for KAT7 and approximately 500 cells/datapoint for Acetyl Histone H3 (K14).




Data obtained from measurement of KAT7 Total in various cell types lysed with Lysis Buffer B. Cells/datapoint is indicated on the graph.




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