

AlphaLISA® SureFire® Ultra™

## Mouse p-Histone H2A.X (Ser139) Detection Kit

**Product number:** ALSU-PH2X-B500, ALSU-PH2X-B10K,  
ALSU-PH2X-B50K, ALSU-PH2X-B-HV



### **Kit specificity:**

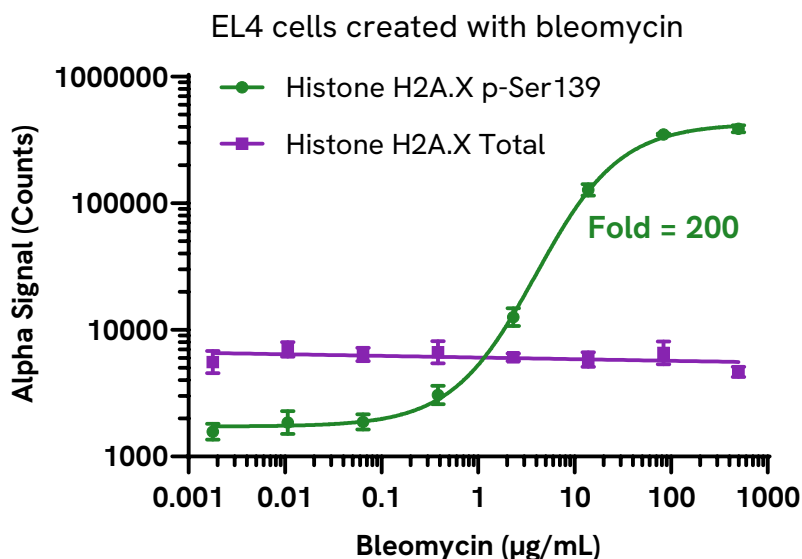
This assay kit contains antibodies which recognize the phospho-Ser139 epitope and a distal epitope on Histone H2A.X. The protein detected by this kit corresponds to UniProt ID P27661. Histone H2A.X is also known as H2a/x. These antibodies recognize Histone H2A.X of mouse origin. Other species should be tested on a case-by-case basis.

### **Control lysate information:**

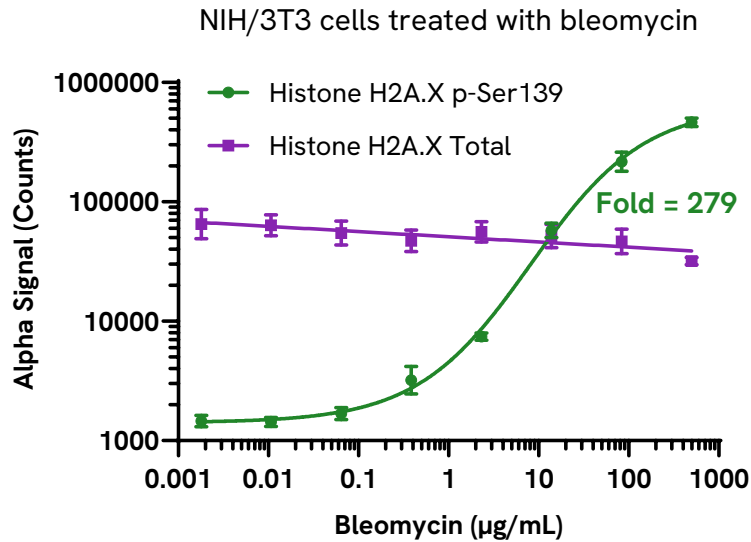
Positive Control Lysate: Prepared from EL4 cells prepared at  $0.8 \times 10^6$  cells/well in a 96-well plate and treated with 50  $\mu\text{g}/\text{mL}$  bleomycin for 2 hours in complete media. Cells were washed and lysed with 200  $\mu\text{L}/\text{well}$  of Lysis Buffer.

### **Representative data:**

Data obtained with a 2-plate, 2-incubation protocol. EL4 cells were harvested, seeded in a 96-well plate at 50K cells/well and treated with the indicated concentrations of bleomycin for 2 hours. Cells were washed and lysed with Lysis Buffer and assayed separately for Phospho (Ser139) and Total Histone H2A.X using respective *SureFire Ultra* kits. Equivalent to approximately 2,500 cells/datapoint (Phospho Ser139) or 1,250 cells/datapoint (Total).



Data obtained with a 2-plate, 2-incubation protocol. NIH/3T3 cells were seeded at 40K cells/well in a 96-well plate and incubated overnight. Cells were treated with the indicated concentrations of bleomycin for 2 hours. Cells were lysed with Lysis Buffer, further diluted for Phospho (Ser139) and assayed separately for Phospho (Ser139) and Total Histone H2A.X using respective *SureFire Ultra* kits. Equivalent to approximately 1,000 cells/datapoint (Phospho Ser139) or 4,000 cells/datapoint (Total).



The information provided in this document is for reference purposes only and may not be all-inclusive. Revvity, Inc., its subsidiaries, and/or affiliates (collectively, "Revvity") do not assume liability for the accuracy or completeness of the information contained herein. Users should exercise caution when handling materials as they may present unknown hazards. Revvity shall not be liable for any damages or losses resulting from handling or contact with the product, as Revvity cannot control actual methods, volumes, or conditions of use. Users are responsible for ensuring the product's suitability for their specific application. REVVITY EXPRESSLY DISCLAIMS ALL WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, REGARDLESS OF WHETHER ORAL OR WRITTEN, EXPRESS OR IMPLIED, ALLEGEDLY ARISING FROM ANY USAGE OF ANY TRADE OR ANY COURSE OF DEALING, IN CONNECTION WITH THE USE OF INFORMATION CONTAINED HEREIN OR THE PRODUCT ITSELF"

