**AlphaLISA® SureFire® Ultra™**

**Human and Mouse SMARCA4 Total Detection Kit**


**Kit Specificity**
This assay kit contains antibodies which recognize invariant epitopes on SMARCA4. The protein detected by this kit corresponds to UniProt ID P51532. SMARCA4 is also known as BRG1. These antibodies recognize SMARCA4 of human and mouse origin. Other species should be tested on a case-by-case basis.

**Control Lysate Information**
Positive Control Lysate: Prepared from SHSY-5Y cells, cultured to confluence in T175 flasks in 10% FBS containing medium and lysed in 8 mL of *SureFire Ultra* Lysis Buffer.

**Representative Data**
Data obtained with a 2-plate, 2-incubation protocol. SHSY-5Y cells were plated overnight at 40K cells/well, then treated with ACBI1 (SMARCA4 PROTAC degrader) at the indicated concentrations for 4 hours. Cells were lysed with *SureFire Ultra* Lysis Buffer and assayed separately for Total SMARCA4, Aurora A, BRD9 and Cofilin using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint.

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**Graph**
- **SMARCA4 Total**
- **BRD9 Total**
- **Aurora A Total**
- **Cofilin Total**

**Axes**
- **X-axis:** ACBI1 (μM)
- **Y-axis:** AlphaSignal (Counts)
Data obtained for SMARCA4 Total from screening various lysates prepared from cells lysed in *SureFire Ultra* Lysis Buffer. The ‘25%’ point corresponds to the approximate number of cells/datapoint indicated for the various cell lines. Lysates were assayed for Total SMARCA4 by *SureFire Ultra*.