**AlphaLISA® SureFire® Ultra™**

**Human FLT3 Total Detection Kit**

*ALSU-TFLT3-A500, ALSU-TFLT3-A10K, ALSU-TFLT3-A50K, ALSU-TFLT3-A-HV*

**Kit Specificity**

This assay kit contains antibodies which recognize two distinct invariant epitopes on FLT3. The protein detected by this kit corresponds to UniProt ID P36888. FLT3 is also known as Receptor-type tyrosine-protein kinase FLT3, FLK-2, STK-1 and CD135. These antibodies recognize FLT3 of human origin. Other species should be tested on a case-by-case basis.

**Control Lysate Information**

Positive Control Lysate: Prepared from THP1 cells washed and resuspended in HBSS + 0.1% BSA at 10 x 10^6 cells/mL, treated with 500 ng/mL FLT3L for 15 minutes and lysed with *SureFire Ultra* Lysis Buffer at a final density of 4 x 10^6 cells/mL.

**Representative Data**

Data obtained with a 2-plate, 2-incubation protocol. THP1 cells were washed and resuspended in HBSS + 0.1% BSA at 5 x 10^6 cells/mL and treated with FLT3L at the indicated concentrations for 10 minutes. Cells were lysed with *SureFire Ultra* Lysis Buffer at a final density of 2 x 10^6 cells/mL and assayed separately for Total and Phospho (Tyr591) FLT3 in separate wells of an assay plate. Equivalent to approximately 20,000 cells/datapoint.