

AlphaLISA™ SureFire® Biotin Free

## Human and Mouse EGR1 Total Detection Kit

**Product number:** ASBF-TEGR1-A500, ASBF-TEGR1-A10K,  
ASBF-TEGR1-A50K, ASBF-TEGR1-A-HV



**Kit specificity:**

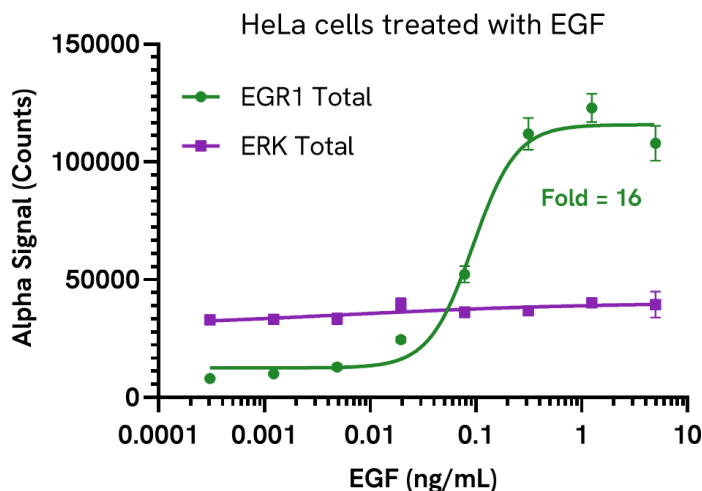
This assay kit contains antibodies which recognize distinct epitopes on EGR1. The protein detected by this kit corresponds to UniProt ID P18146. EGR1 is also known as Early growth response protein 1, NGFI-A, and KROX24. These antibodies recognize EGR1 of human and mouse origin. Other species should be tested on a case-by-case basis.

**Control lysate information:**

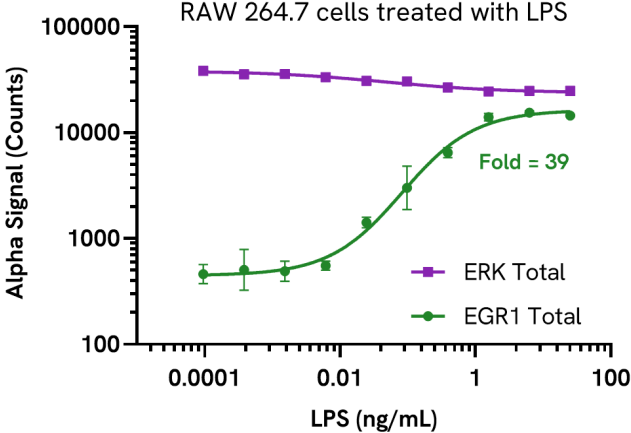
Positive Control Lysate: Prepared from HeLa cells, cultured to confluence in T175 flasks in 10% FBS containing medium. Cells were treated with 2 ng/mL EGF for 2 hours and lysed with 4 mL of Lysis Buffer.

**Representative data:**

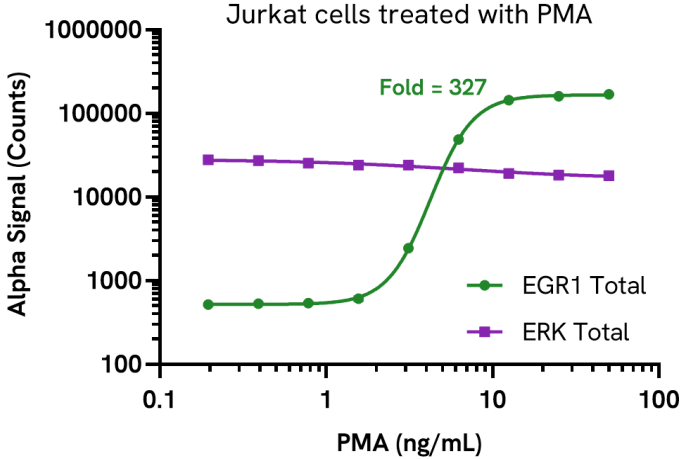
Data obtained with a 2-plate, 2-incubation protocol. HeLa cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with EGF at the indicated concentrations for 2 hours. Cells were lysed with Lysis Buffer and assayed for Total EGR1 and ERK using respective SureFire Biotin Free kits. Equivalent to approximately 4,000 cells/datapoint.



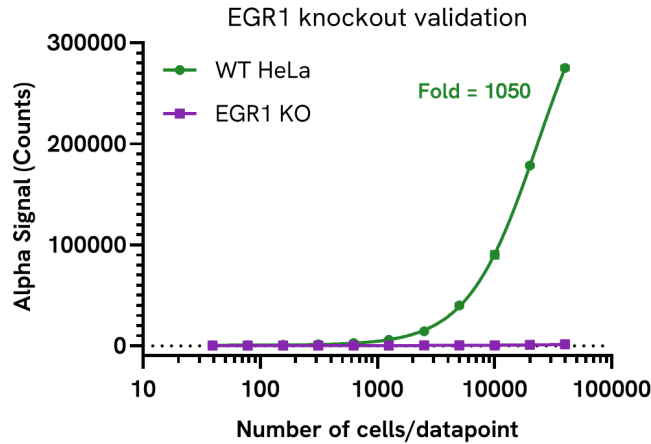
Data obtained with a 2-plate, 2-incubation protocol. Raw 264.7 cells were seeded at 40K cells/well in a 96 well plate and incubated overnight. Cells were treated with LPS at the indicated concentrations for 2 hours. Cells were lysed with Lysis Buffer and assayed for Total EGR1 and ERK using respective *SureFire* Biotin Free kits. Equivalent to approximately 4,000 cells/datapoint.



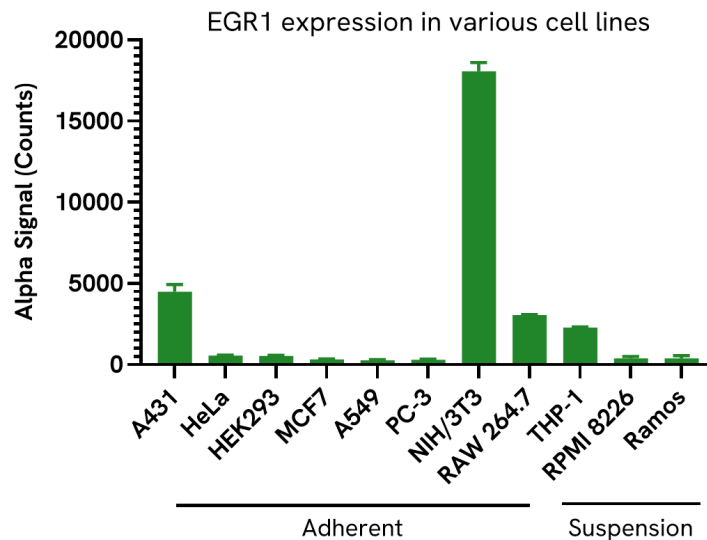
Data obtained with a 2-plate, 2-incubation protocol. Jurkat cells were seeded at 400K cells/well in a 96 well plate in complete RPMI 1640 medium and treated with PMA at the indicated concentrations for 3 hours. Cells were lysed with the addition of 5X Lysis Buffer and assayed separately for Total EGR1 and ERK using respective *SureFire* Biotin Free kits. Equivalent to approximately 16,000 cells/datapoint.



HeLa wild type (WT) and HeLa EGR1 knockout (KO, Abcam ab274929) cell lines were cultured to confluence in T175 flasks. Cells were treated with 2 ng/mL EGF for 2 hours, lysed in Lysis Buffer, serially diluted with Lysis Buffer, then assayed for Total EGR1 using the *SureFire* Biotin Free kit. Approximate number cells/datapoint is indicated.



Data obtained from measurement of EGR1 Total in various cell types lysed with Lysis Buffer. Equivalent to approximately 5,000 cells/datapoint for adherent cells or 16,000 cells/datapoint for suspension cells.



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"

