AlphaLISA® *SureFire® Ultra™*

Human CSF1R Total Detection Kit

Product number: ALSU-TCSF1R-A500, ALSU-TCSF1R-A10K, ALSU-TCSF1R-A50K, ALSU-TCSF1R-A-HV

Kit specificity:

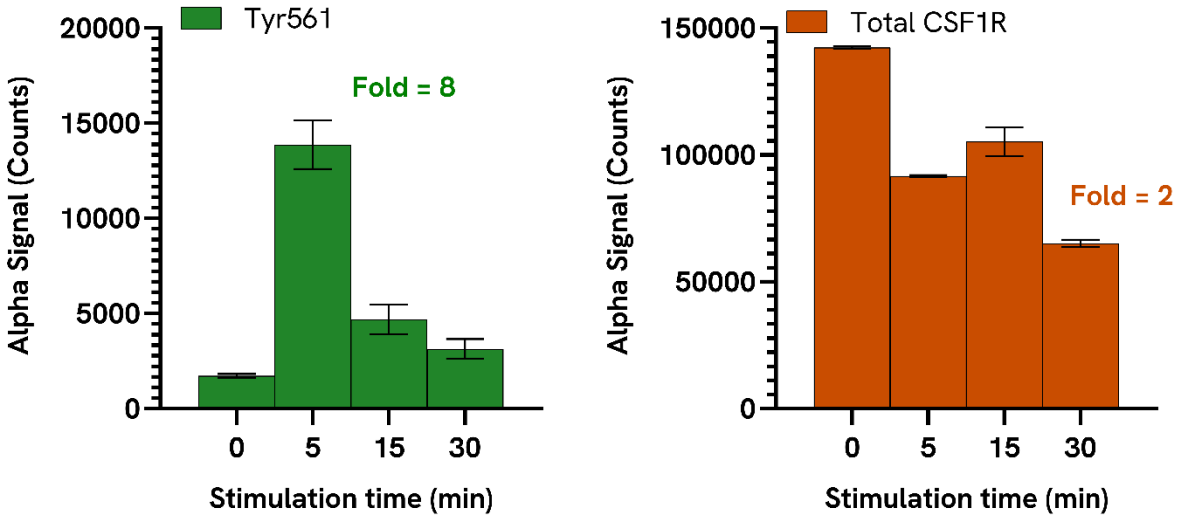
This assay kit contains antibodies which recognize distinct epitopes on CSF1R. The protein detected by this kit corresponds to UniProt ID P07333. CSF1R is also known as Macrophage colony-stimulating factor 1 receptor. These antibodies recognize CSF1R of human origin. Other species should be tested on a case-by case basis.

Control lysate information:

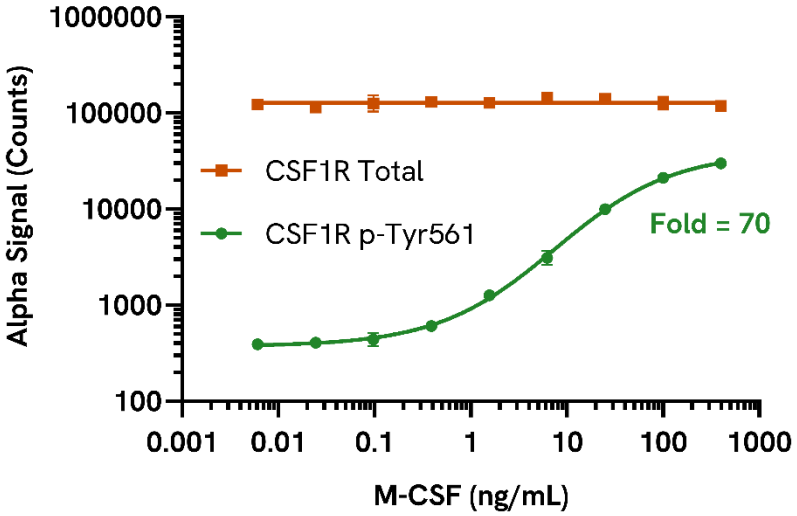
Positive Control Lysate: Prepared from THP-1 cells washed and resuspended at 4 x 10^6 cells/mL in HBSS + 0.1% BSA. Cells were starved for 2 hours, treated with 50 ng/mL M-CSF for 5 minutes and lysed with 5X Lysis Buffer.

Representative data:

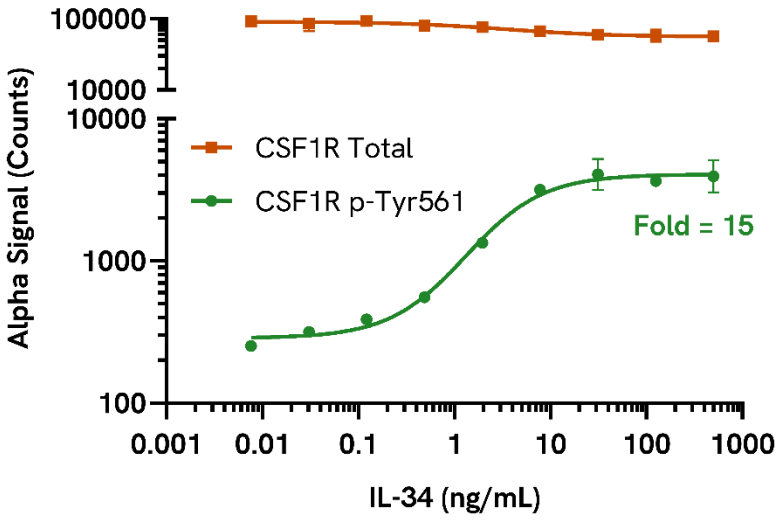
Data obtained with a 2-plate, 2-incubation protocol. PBMCs were isolated from healthy donors and cultured for 7 days in complete DMEM containing 20 ng/mL M-CSF to differentiate them into macrophages. Macrophages were seeded in a 96-well plate (40,000 cells/well) in complete DMEM and incubated overnight. The cells were starved for 2 hours in HBSS + 0.1% BSA and then treated with 100 ng/mL M-CSF for the indicated time points. Cells were then lysed with Lysis Buffer and assayed separately for Phospho (Tyr561) and Total CSF1R using respective *SureFire Ultra* kits. Equivalent to approximately 4,000 cells/datapoint.



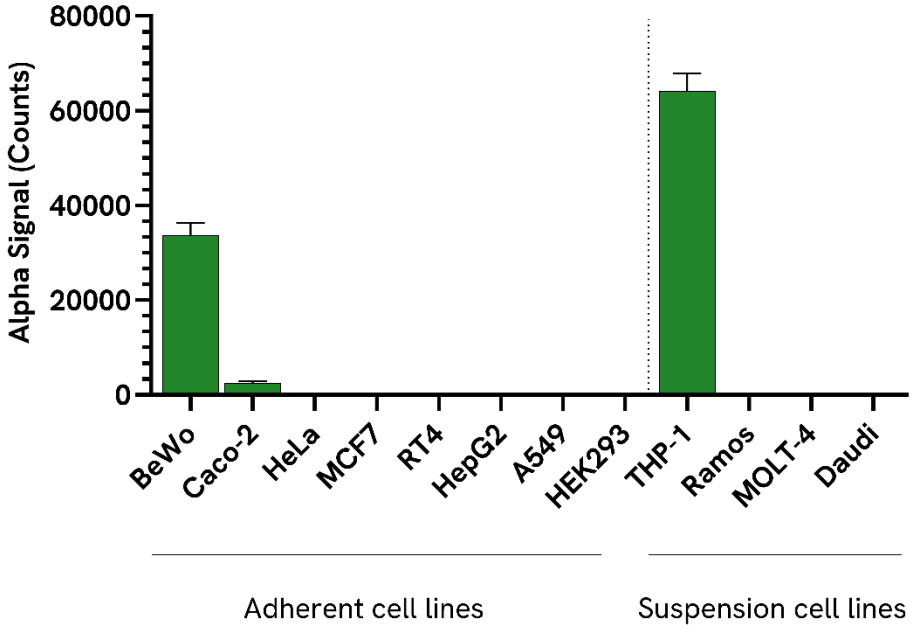
Data obtained with a 2-plate, 2-incubation protocol. BeWo cells were seeded at 60,000 cells/well in a 96 well plate and incubated overnight. The cells were starved for 2 hours in HBSS + 0.1% BSA and then treated with M-CSF at the indicated concentrations for 5 minutes. Cells were then lysed with Lysis Buffer and assayed separately for Phospho (Tyr561) and Total CSF1R using respective *SureFire Ultra* kits. Equivalent to approximately 6,000 cells/datapoint.



Data obtained with a 2-plate, 2-incubation protocol. THP-1 cells were seeded at 200,000 cells/well in HBSS + 0.1% BSA and starved for 2 hours. Cells were treated with IL-34 at the indicated concentrations for 5 minutes. Cells were spun down and lysed in Lysis Buffer and assayed separately for Phospho (Tyr561) and Total CSF1R using respective *SureFire Ultra* kits. Equivalent to approximately 20,000 cells/datapoint.



Data obtained from measurement of Total CSF1R protein levels in various cell types. Adherent cell lines were seeded at 40K cells/well and incubated overnight and lysed with Lysis Buffer. Suspension cell lines were seeded at 400K cells/well and lysed with Lysis Buffer. Suspension and adherent cell lysates were then assayed for Total CSF1R using the AlphaLISA *SureFire Ultra* kit. Equivalent to approximately 2,000 cells/datapoint for adherent and 20,000 cells/datapoint for suspension cell lines.



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"

Copyright ©2024, Revvity, Inc. All rights reserved.