

AlphaLISA® SureFire® Ultra™

# Human p-CSF1R (Tyr723) Detection Kit

**Product number:** ALSU-PCSF1R-D500, ALSU-PCSF1R-D10K,  
ALSU-PCSF1R-D50K, ALSU-PCSF1R-D-HV



## Kit specificity:

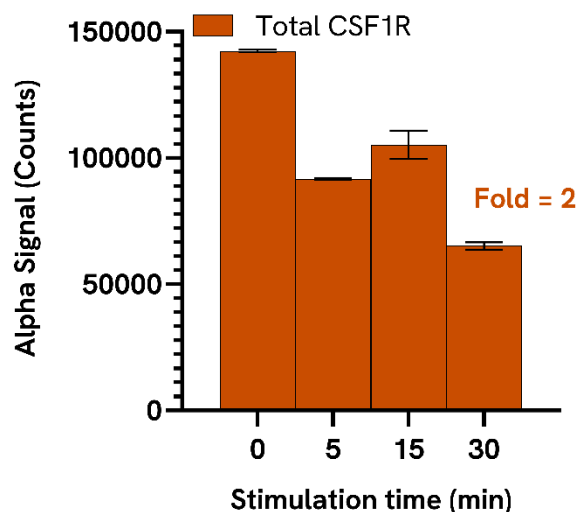
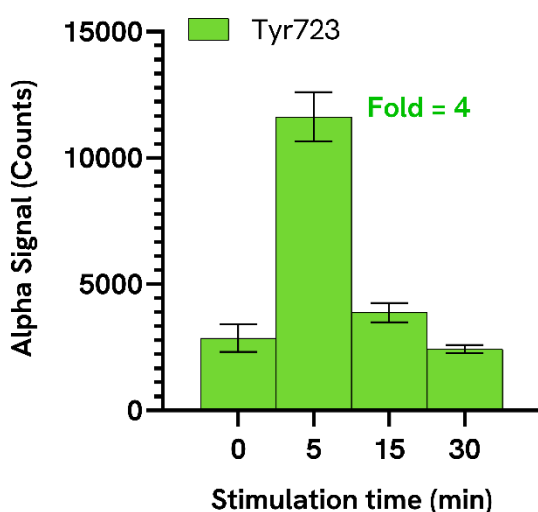
This assay kit contains antibodies which recognize the Tyr723 epitope and a distal epitope on CSF1R. The protein detected by this kit corresponds to UniProt ID P07333. CSF1R is also known as Macrophage colony-stimulating factor 1 receptor. These antibodies recognize CSF1R of human origin. Other species should be tested on a case-by-case basis.

## Control lysate information:

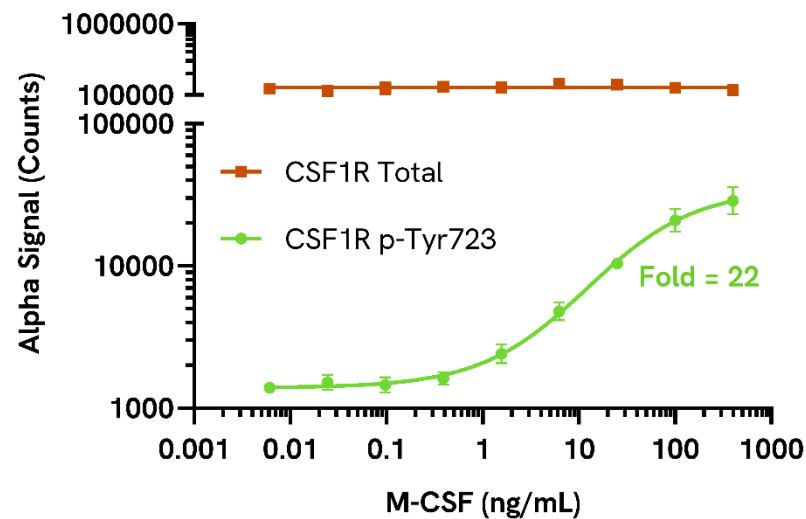
Positive Control Lysate: Prepared from THP-1 cells washed and resuspended at  $4 \times 10^6$  cells/mL in HBSS + 0.1% BSA. Cells were starved for 2 hours, treated with 50 ng/mL M-CSF for 5 minutes and lysed with 5X Lysis Buffer.

## Representative data:

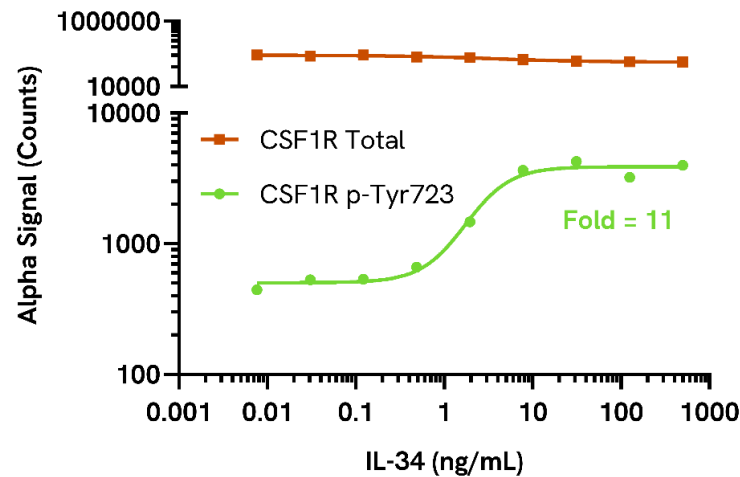
Data obtained with a 2-plate, 2-incubation protocol. PBMCs were isolated from healthy donors and cultured for 7 days in complete DMEM containing 20 ng/mL M-CSF to differentiate them into macrophages. Macrophages were seeded in a 96-well plate (40,000 cells/well) in complete DMEM and incubated overnight. 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 (Tyr723) 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 (Tyr723) 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 (Tyr723) and Total CSF1R using respective *SureFire Ultra* kits. Equivalent to approximately 20,000 cells/datapoint.



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