PRODUCT INFORMATION

Target	CSF1R
Description	Monoclonal Cell Line Derived from K562 Cells, Engineered for Stable Expression of Human CSF1R Using Lentiviral Technology
Host Cells	K562
Uniprot ID	P07333
Applications	FACS Data
Growth media	RPMI-1640+10% FBS+1% P.S+1% Gln+2 ug/mL Puromycin
Package	5E6 Cells/mL
Suggested Control	SKU: BME100055
Warranty and Disclaimer	1. Please inspect cells upon receipt and report any issues promptly. 2. We offer one-time replacements for issues reported within a week of receipt. 3. User-induced issues are not eligible for free replacements. 4. We do not accept liability for damages resulting from cell use, storage, or loss. 5. Feedback received more than one month after receipt will not be processed.
Storage&Shipping	Cells are shipped using dry ice and require liquid nitrogen storage for long term preservation.
Synonyms	CSF1R;C-FMS;CD115;CSFR;FIM2;FMS;M-CSFR
Background	The protein encoded by this gene is the receptor for colony stimulating factor 1; a cytokine which controls the production; differentiation; and function of macrophages. This receptor mediates most if not all of the biological effects of this cytokine. Ligand binding activates the receptor kinase through a process of oligomerization and transphosphorylation. The encoded protein is a tyrosine kinase transmembrane receptor and member of the CSF1:PDGF receptor family of tyrosine-protein kinases. Mutations in this gene have been associated with a predisposition to myeloid malignancy. The first intron of this gene contains a transcriptionally inactive ribosomal protein L7 processed pseudogene oriented in the opposite direction. Alternative splicing results in multiple transcript variants. Expression of a splice variant from an LTR promoter has been found in Hodgkin lymphoma (HL); HL cell lines and anaplastic large cell lymphoma.
Usage	For research use only.

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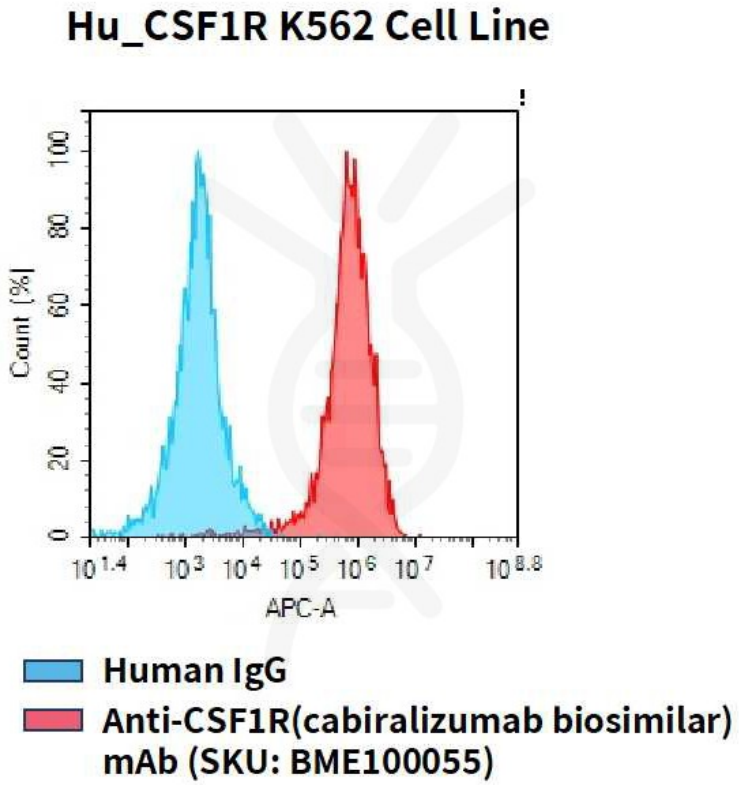


Figure 1. Flow cytometry analysis of human CSF1R overexpression using Hu_CSF1R K562 Cell Line (Cat. No. CEL100014) and Anti-CSF1R(cabiralizumab biosimilar) mAb (Cat. No. BME100055)

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