

PRODUCT INFORMATION

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| Clone ID | DM107 |
| Target | CSF1R |
| Synonyms | CSF1R;C-FMS;CD115;CSFR;FIM2;FMS;M-CSFR |
| Host Species | Rabbit |
| Description | Anti-CSF1R antibody(DM107); Rabbit mAb |
| Delivery | In Stock |
| Uniprot ID | P07333 |
| IgG type | Rabbit IgG |
| Clonality | Monoclonal |
| Reactivity | Human |
| Applications | ELISA; Flow Cyt |
| Recommended Dilutions | ELISA 1:5000-10000; Flow Cyt 1:100 |
| Purification | Purified from cell culture supernatant by affinity chromatography |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Storage & Shipping | |
| 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 | Research use only |
| Conjugate | Unconjugated |
| DIMA Disclaimer | All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scrutinizing all patent application to ensure no IP infringement. |



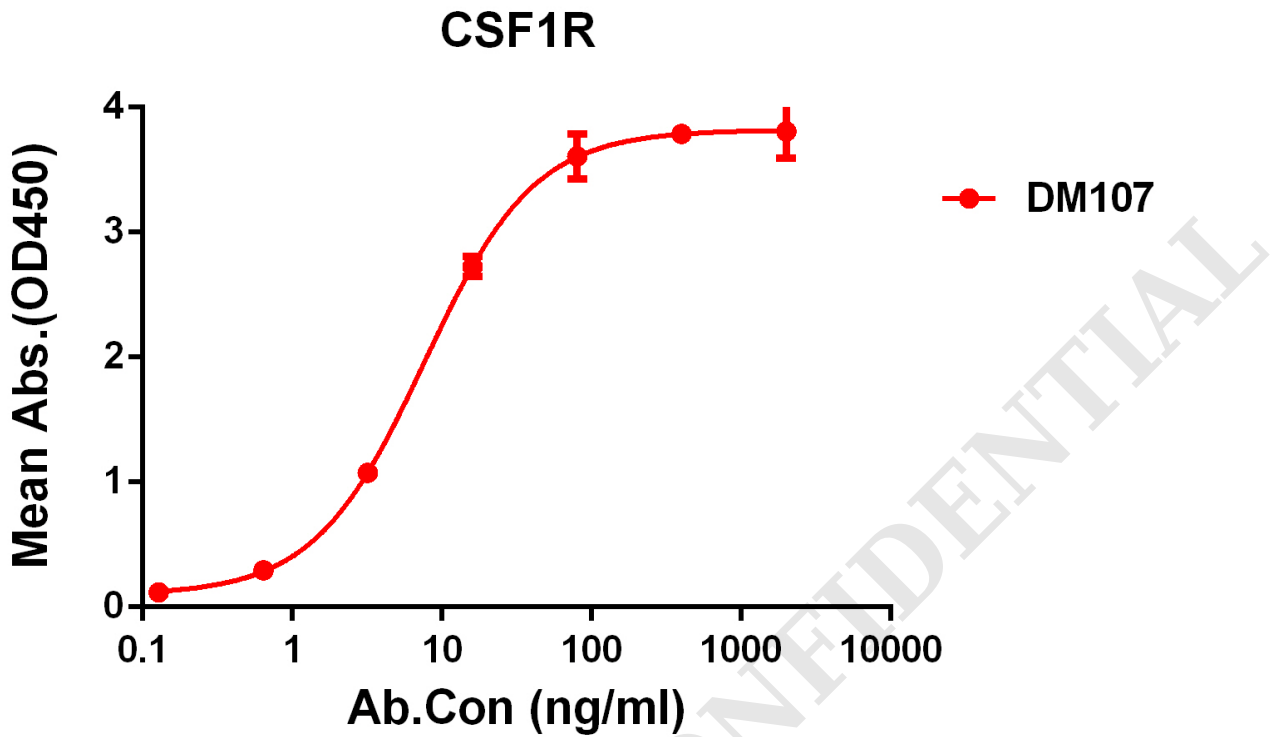


Figure 1. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human CSF1R protein, His tagged protein PME100067 can bind Rabbit anti- CSF1R monoclonal antibody (clone: DM107) in a linear range of 0.6-40 ng/ml.

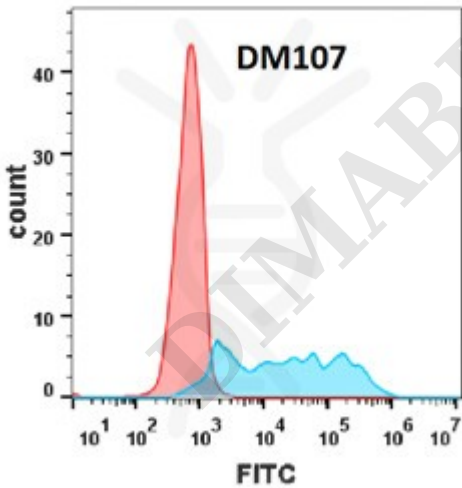


Figure 2. Flow cytometry analysis with Anti-CSF1R (DM107) on Expi293 cells transfected with human CSF1R(Blue histogram)or Expi293 transfected with irrelevant protein(Red histogram).



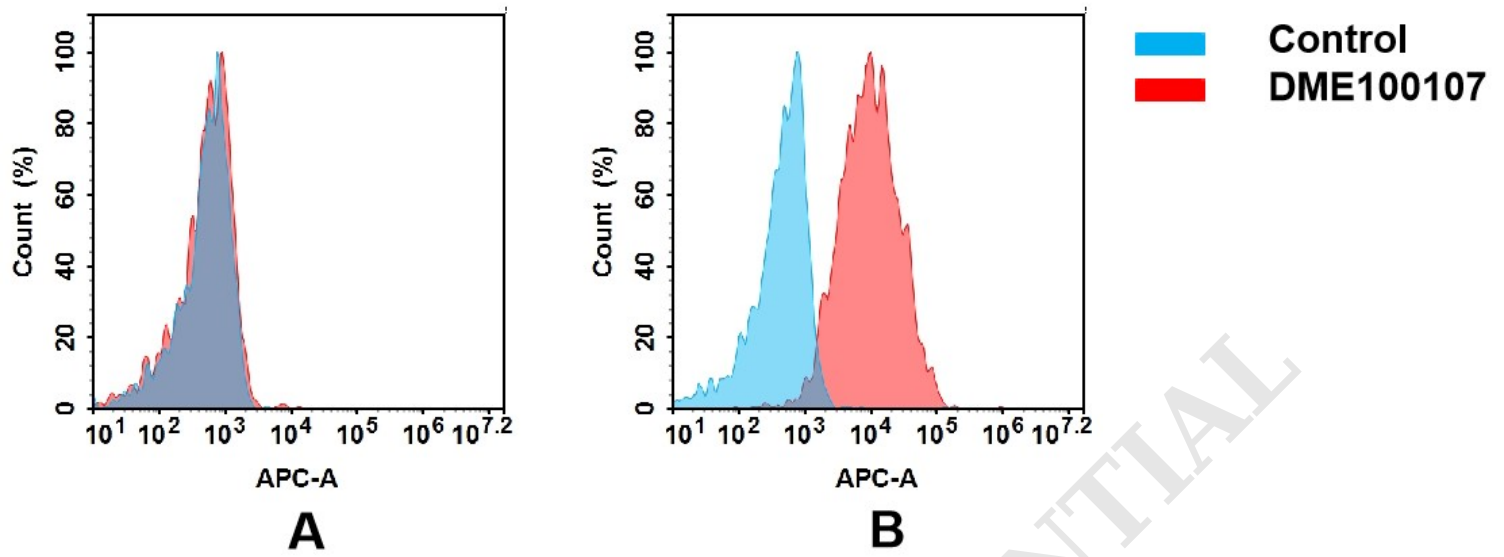


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human CSF1R mAb(DME100107).

(A) DME100107 does not bind to CHO-S cells that do not express CSF1R.

(B) A clear peak shift of DME100107 was seen compared to the control when incubated with CSF1R-expressing THP-1 cells, indicating strong binding of DME100107 to CSF1R. Antibodies were incubated at 5 µg/mL.

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