

## **PRODUCT INFORMATION**

Warning: Undefined variable ShasAttributeValueDescription in C:\www.root\mirror.dimablo.com\wp-content\plugins\woocommerce-print-products\public\class-woocommerce-print-products-public.php on line 2806 bM108 Clone ID

CSF1R;C-FMS;CD115;CSFR;FIM2;FMS;M-CSFR

Host Species Rabbit

Anti-CSF1R antibody(DM108); Rabbit mAb Description

Delivery In Stock Uniprot ID P07333 IgG type Rabbit IgG Clonality Monoclonal Reactivity Human Application ELISA; Flow Cyt

Recommend 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.

Storage & Shipping

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.

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 lyrosine kinase transmembrane receptor and member of the CSF1-PDG receptor family of tyrosine-protein kinases. Mutations in this gene have been associated with a predisposition to myeloid mailignancy. The first intron of this gene contains a transcriptionally inactive ribosomal protein 17 processed pseudogene oriented in the opposite direction. Alternative splicing result in multiple transcript variants. Expression of a splice variant from an LTR promoter has been found in Hodgkin lymphoma (HL); HL cell lines and analpstatic large cell lymphoma. Background

Conjugate Unconjugated

DIMA Disclaime 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.

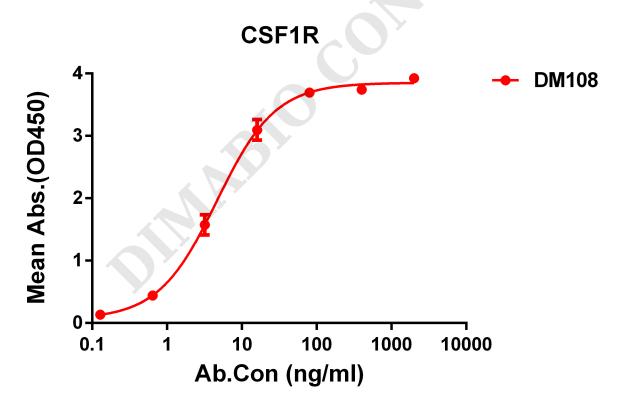


Figure 1. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human CSF1R protein,His tagged protein PME100067 can bind Rabbit anti- CSF1R monoclonal antibody (clone: DM108) in a linear range of 0.6-16 ng/ml.

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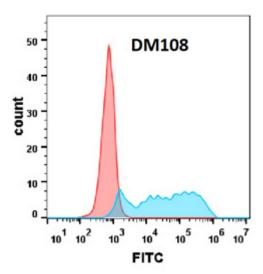


Figure 2. Flow cytometry analysis with Anti-CSF1R (DM108) on HEK293 cells transfected with human CSF1R (Blue histogram)or HEK293 transfected with irrelevant protein (Red histogram).

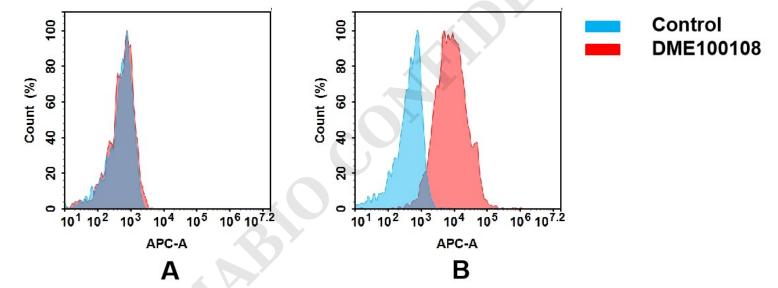


Figure 3. Flow cytometry analysis of antigen binding of rabbit anti-human CSF1R mAb(DME100108). (A) DME100108 does not bind to CHO-S cells that do not express CSF1R. (B) A clear peak shift of DME100108 was seen compared to the control when incubated with CSF1R-expressing THP-1 cells, indicating strong binding of DME100108 to CSF1R. Antibodies were incubated at 5  $\mu$ g/mL.



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