

## **PRODUCT INFORMATION**

Clone ID DM172 **Target** CD114

**Synonyms** CSF3R;CD114;GCSFR

**Host Species** Rabbit

Description Anti-CD114 antibody(DM172); Rabbit mAb

**Delivery** In Stock **Uniprot ID** Q99062 IgG type Rabbit IgG Clonality Monoclonal Reactivity Human

**Applications** ELISA; Flow Cyt

Recommended

Storage & Shipping

**Background** 

ELISA 1:5000-10000; Flow Cyt 1:100 **Dilutions** 

Purified from cell culture supernatant by affinity **Purification** 

chromatography

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Reconstitution

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.

The protein encoded by this gene is the receptor for colony stimulating factor 3; a cytokine that controls the production; differentiation; and function of granulocytes. The encoded protein; which is a member of the family of cytokine

receptors; may also function in some cell surface adhesion or recognition processes. Alternatively spliced transcript variants have been described. Mutations in this gene are a cause of Kostmann syndrome; also known as severe congenital

neutropenia.

Usage Research use only

Conjugate Unconjugated

> 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 **DIMA Disclaimer** actively scrutinizing all patent application to

ensure no IP infringement.

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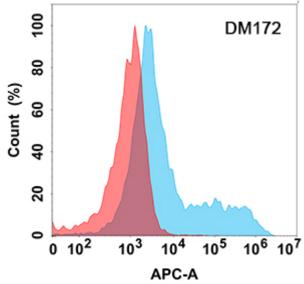


Figure 1. Flow cytometry analysis with Anti-CD114 (DM172) on Expi293 cells transfected with human CD114 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

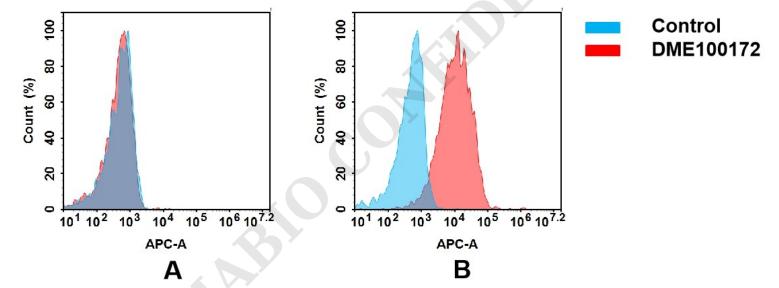


Figure 2. Flow cytometry analysis of antigen binding of rabbit anti-human CD114 mAb(DME100172). (A) DME100172 does not bind to CHO-S cells that do not express CD114. (B) A clear peak shift of DME100172 was seen compared to the control when incubated with CD114-expressing THP-1 cells, indicating strong binding of DME100172 to CD114. Antibodies were incubated at 5  $\mu$ g/mL.

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