

**PRODUCT INFORMATION**

<b>Clone ID</b>	DM172
<b>Target</b>	CD114
<b>Synonyms</b>	CSF3R;CD114;GCSFR
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-CD114 antibody(DM172); Rabbit mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q99062
<b>IgG type</b>	Rabbit IgG
<b>Clonality</b>	Monoclonal
<b>Reactivity</b>	Human
<b>Applications</b>	ELISA; Flow Cyt
<b>Recommended Dilutions</b>	ELISA 1:5000-10000; Flow Cyt 1:100
<b>Purification</b>	Purified from cell culture supernatant by affinity chromatography
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage &amp; Shipping</b>	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.
<b>Background</b>	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.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



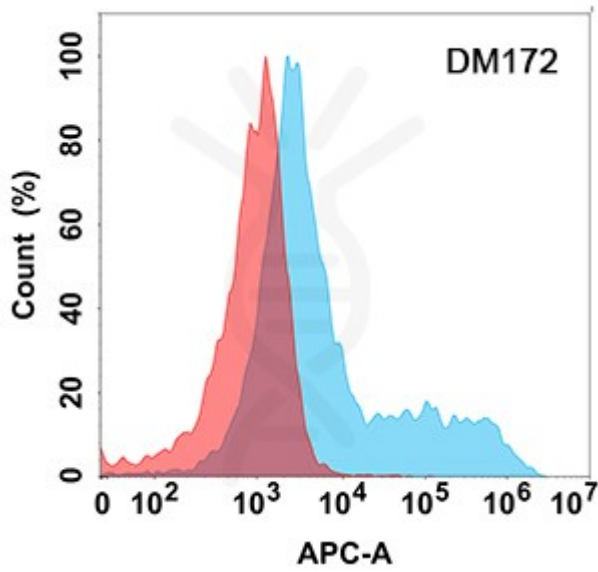


Figure 1. Flow cytometry analysis with Anti-CD114 (DM172) on Expi293 cells transfected with human CD114 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

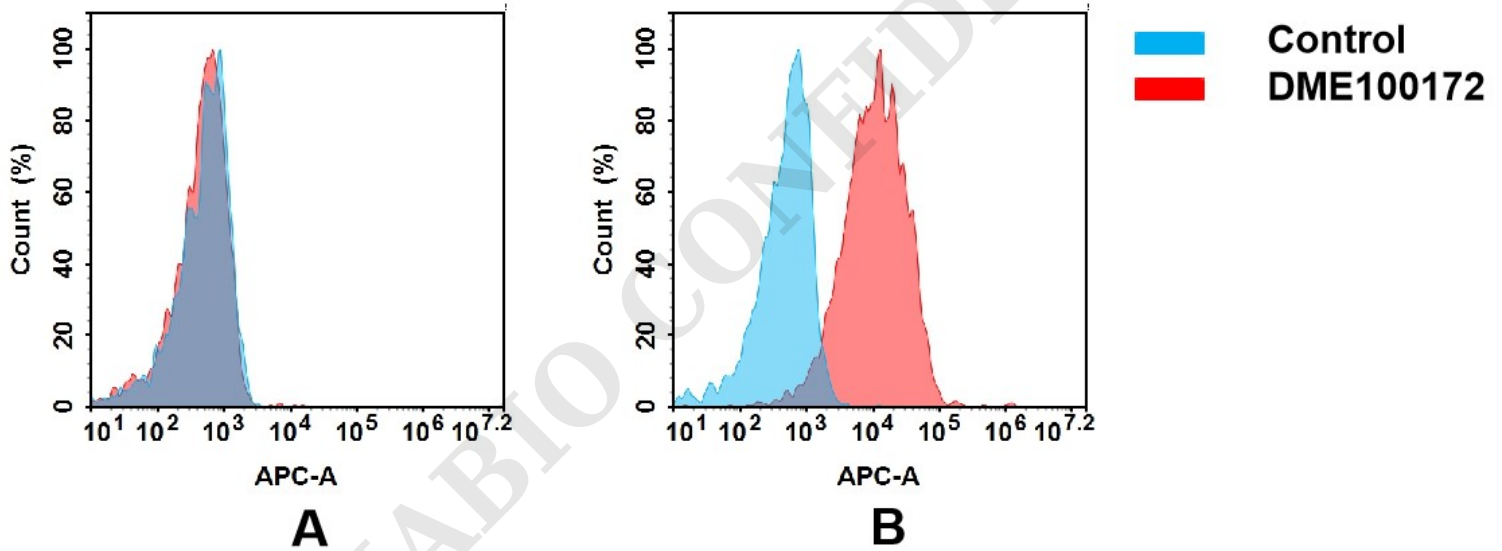


Figure 2. Flow cytometry analysis of antigen binding of rabbit anti-human CD114 mAb(DME100172).

(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.

