

## PRODUCT INFORMATION

<b>Target</b>	CD114
<b>Synonyms</b>	CSF3R;CD114;GCSFR
<b>Description</b>	Recombinant human CD114 protein with C-terminal 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q99062
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-6×His Tag
<b>Molecular Characterization</b>	CD114(Glu25-Glu622) 6×His tag
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 67.5 kDa after removal of the signal peptide. The apparent molecular mass of CD114-His is approximately 100-110 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<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



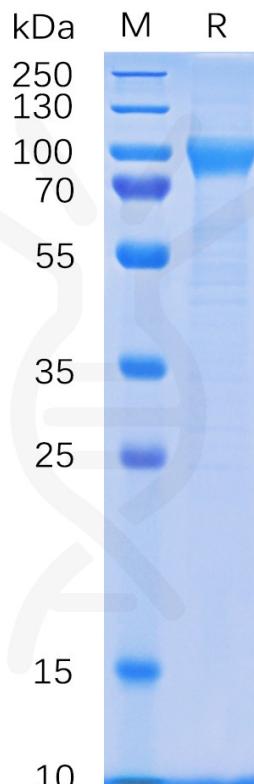
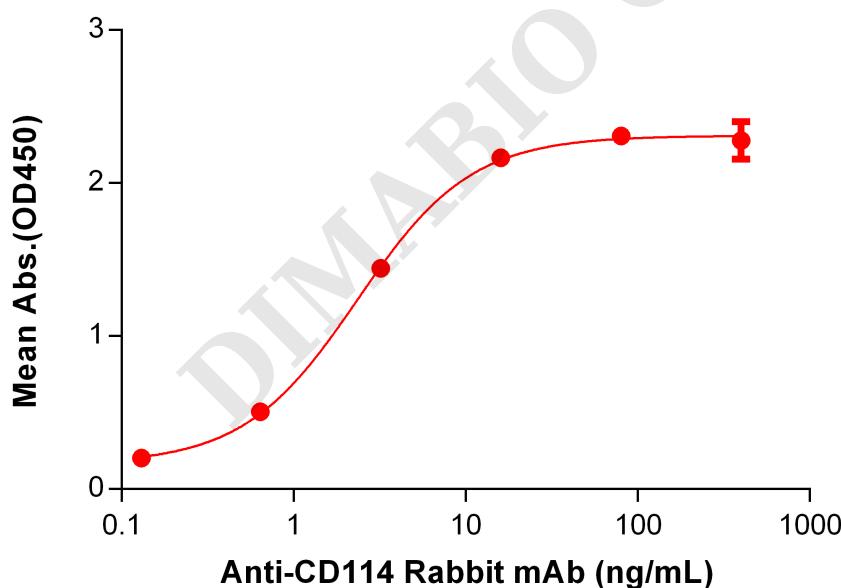


Figure 1. Human CD114 Protein, His Tag on SDS-PAGE under reducing condition.

### Human CD114, His tagged protein ELISA

0.1  $\mu$ g of Human CD114, His tagged protein per well

Figure 2. ELISA plate pre-coated by 1  $\mu$ g/mL (100  $\mu$ L/well) Human CD114 protein, His Tag (PME100083) can bind Anti-CD114 Rabbit mAb in a linear range of 0.128-16 ng/mL.