

PRODUCT INFORMATION

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| Target | CD114 |
| Synonyms | CSF3R;CD114;GCSFR |
| Description | Recombinant human CD114 protein with C-terminal 6×His tag |
| Delivery | In Stock |
| Uniprot ID | Q99062 |
| Expression Host | HEK293 |
| Tag | C-6×His Tag |
| Molecular Characterization | CD114(Glu25-Glu622) 6×His tag |
| Molecular Weight | 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. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| 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 | 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. |
| Background | 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 |



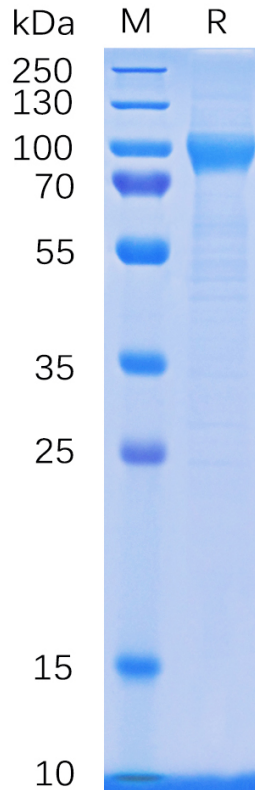


Figure 1. Human CD114 Protein, His Tag on SDS-PAGE under reducing condition.

Human CD114, His tagged protein ELISA

0.1 μg of Human CD114, His tagged protein per well

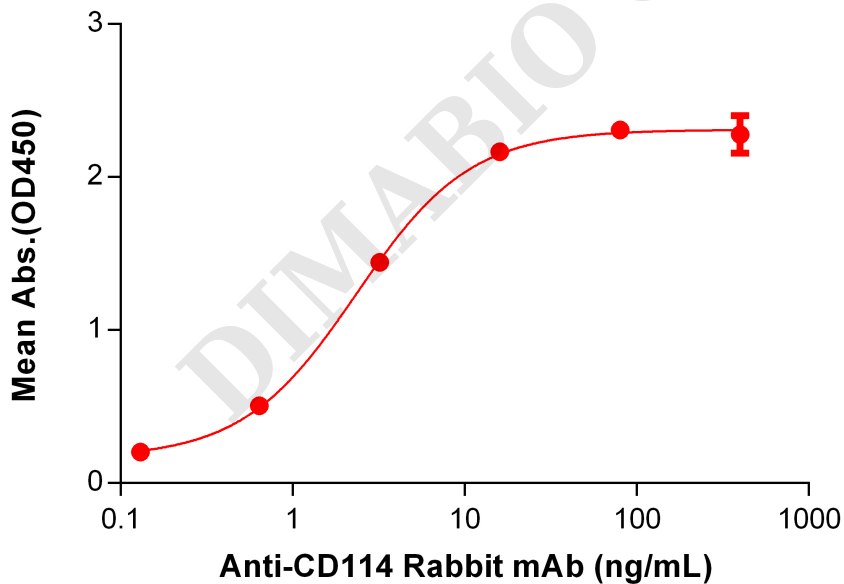


Figure 2. ELISA plate pre-coated by 1 $\mu\text{g}/\text{mL}$ (100 $\mu\text{L}/\text{well}$) Human CD114 protein, His Tag (PME100083) can bind Anti-CD114 Rabbit mAb in a linear range of 0.128-16 ng/mL.

