PRODUCT INFORMATION

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
Conjugate	Unconjugated

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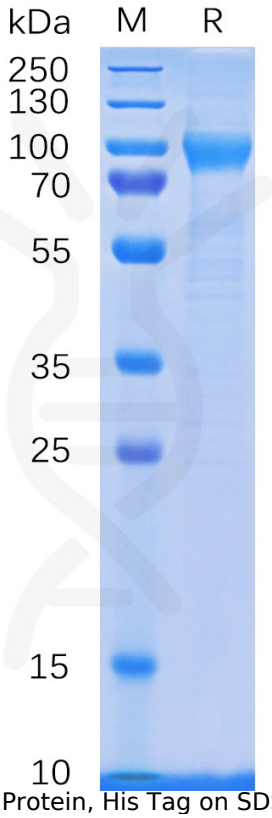


Figure 1. Human CD114 Protein, His Tag on SDS-PAGE under reducing condition.

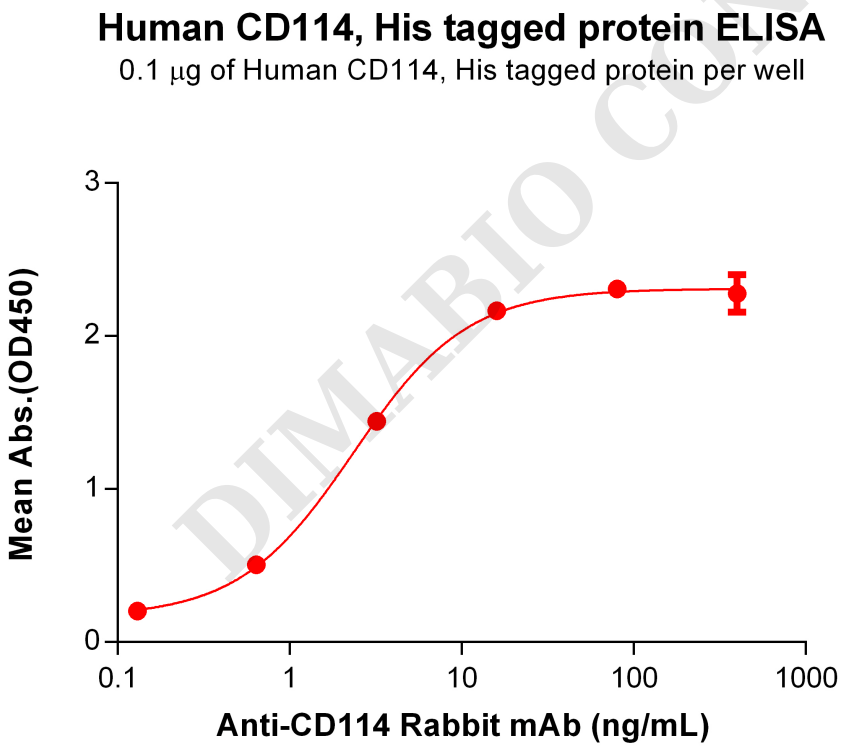


Figure 2. ELISA plate pre-coated by 1 μg/mL (100 μL/well) Human CD114 protein, His Tag (PME100083) can bind Anti-CD114 Rabbit mAb in a linear range of 0.128-16 ng/mL.

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