

HUMAN CD114 PROTEIN, HIS TAG

Cat.#: 11203

Product Name: Human CD114 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: CSF3R;D114;CSFR

Target: CD114

UNIPROT ID: Q99062

Description: Recombinant human CD114 protein with C-terminal 6xHis tag

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.

Species/Host: HEK293

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.

Molecular Characterization: CD114(Glu25–Pro622) 6×His tag

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.

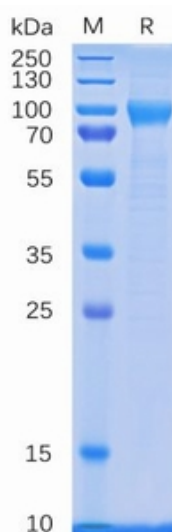


Figure 1. Human CD114 Protein, His Tag on SDS-PAGE under reducing condition.

Human CD114, His tagged protein ELISA
0.1 µg of Human CD114, His tagged protein per well

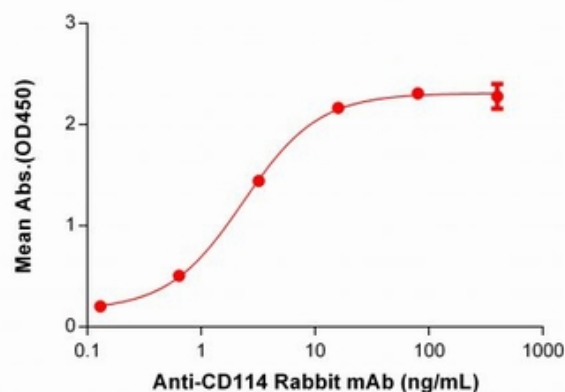


Figure 2. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Human CD114 protein, His Tag (11203) can bind Anti-CD114 Rabbit mAb in a linear range of 0.128-16 ng/mL.