PRODUCT INFORMATION

Target	CD14
Synonyms	CD14 Molecule;Myeloid Cell-Specific Leucine-Rich Glycoprotein;CD14 Antigen;Monocyte Differentiation Antigen CD14
Description	Recombinant Human CD14(20-352) Protein with C-terminal 7×His tag
Delivery	In Stock
Uniprot ID	P08571
Expression Host	HEK293
Tag	C-7×His Tag
Molecular Characterization	CD14(Thr20-Cys352) 7×His tag
Molecular Weight	The protein has a predicted molecular mass of 36.7 kDa after removal of the signal peptide. The apparent molecular mass of CD14(20-352)-7xHis is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% 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 a surface antigen that is preferentially expressed on monocytes/macrophages. It cooperates with other proteins to mediate the innate immune response to bacterial lipopolysaccharide, and to viruses. This gene has been identified as a target candidate in the treatment of SARS-CoV-2-infected patients to potentially lessen or inhibit a severe inflammatory response. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Aug 2020]
Usage	Research use only
Conjugate	Unconjugated

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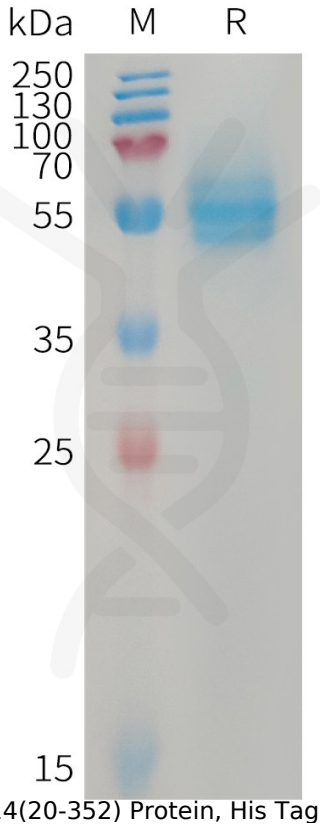


Figure 1.Human CD14(20-352) Protein, His Tag on SDS-PAGE under reducing condition.

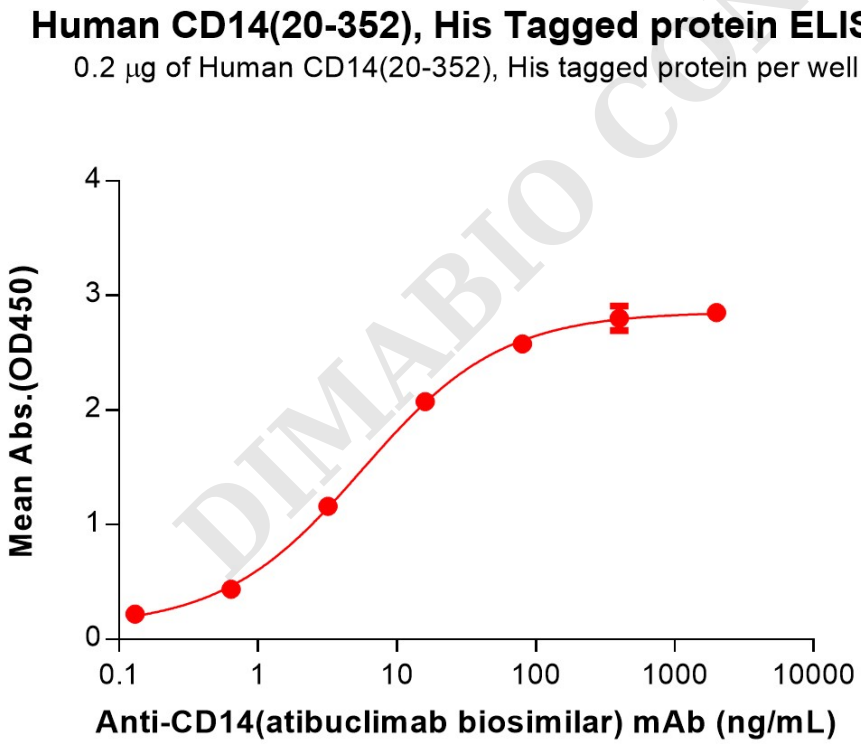


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human CD14(20-352) Protein, His Tag (PME101230) can bind Anti-CD14(atibuclimab biosimilar) mAb (BME100205) in a linear range of 0.64–80 ng/mL.

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