**Purity** 

**Background** 



## **PRODUCT INFORMATION**

CD14 **Target** 

CD14 Molecule; Myeloid Cell-Specific Leucine-Rich **Synonyms** 

Glycoprotein;CD14 Antigen;Monocyte

Differentiation Antigen CD14

Recombinant Human CD14(20-352) Protein with **Description** 

C-terminal 7×His tag

Delivery In Stock **Uniprot ID** P08571 **Expression Host HEK293** Tag C-7×His Tag

Molecular CD14(Thr20-Cys352) 7×His tag Characterization

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 **Molecular Weight** 

is approximately 35-55 kDa due to glycosylation. The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation & lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. 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). Storage & Shipping Lyophilized proteins are shipped at ambient

temperature.

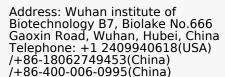
The protein encoded by this gene is a surface antigen that is preferentially expressed on monocytes/macrophages. It cooperates with other proteins to mediate the innate immune response to bacterial lipopolysaccharide, and to viruses. This gene has been identified as a target candidate in the treatment 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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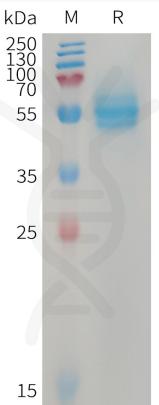


Figure 1.Human CD14(20-352) Protein, His Tag on SDS-PAGE under reducing condition.

## Human CD14(20-352), His Tagged protein ELISA

0.2 μg of Human CD14(20-352), His tagged protein per well

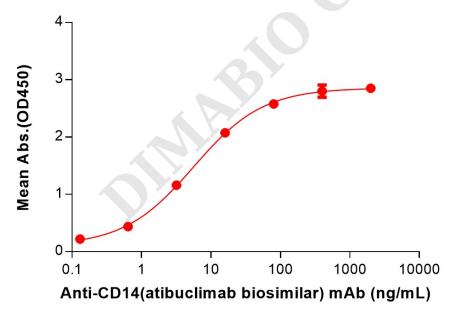


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human CD14(20-352) Protein, His Tag (PME101230) can bind Anti-CD14(atibuclimab biosimilar) mAb (BME100205) in a linear range of 0.64–80 ng/mL.

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