

HUMAN CD163 PROTEIN, HIS TAG**Cat.#:** 11860**Product Name:** Human CD163 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** M130;MM130;SCAR11**Target:** CD163**UNIPROT ID:** Q86VB7**Description:** Recombinant Human CD163 Protein with C-terminal 6xHis tag

Background: The protein encoded by this gene is a member of the scavenger receptor cysteine-rich (SRCR) superfamily, and is exclusively expressed in monocytes and macrophages. It functions as an acute phase-regulated receptor involved in the clearance and endocytosis of hemoglobin/haptoglobin complexes by macrophages, and may thereby protect tissues from free hemoglobin-mediated oxidative damage. This protein may also function as an innate immune sensor for bacteria and inducer of local inflammation. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 109.5 kDa after removal of the signal peptide. The apparent molecular mass of CD163-His is approximately 130–250 kDa due to glycosylation.

Molecular Characterization: CD163(Leu44–Gln1048) 6×His tag

Purity: The purity of the protein is greater than 85% 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.

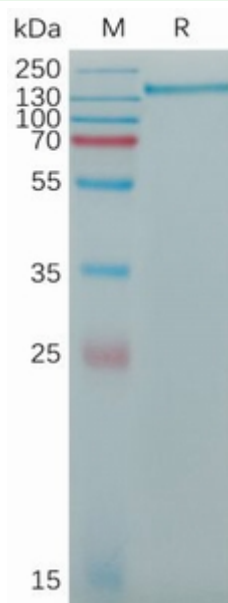


Figure 1. Human CD163 Protein, His Tag on SDS-PAGE under reducing condition.