

Cat. No. MRO-HM102

**Description**

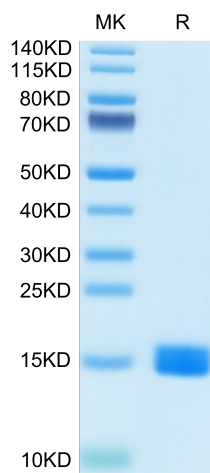
<b>Source</b>	Recombinant Human MARCO Protein is expressed from Expi293 with His tag at the N-terminal. It contains Ser405-Val520.
<b>Accession</b>	Q9UEW3-1
<b>Molecular Weight</b>	The protein has a predicted MW of 13.8 kDa. Due to glycosylation, the protein migrates to 14-20 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

**Formulation and Storage**

<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS, 200mM L-Arginine (pH 8.0). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

**Background**

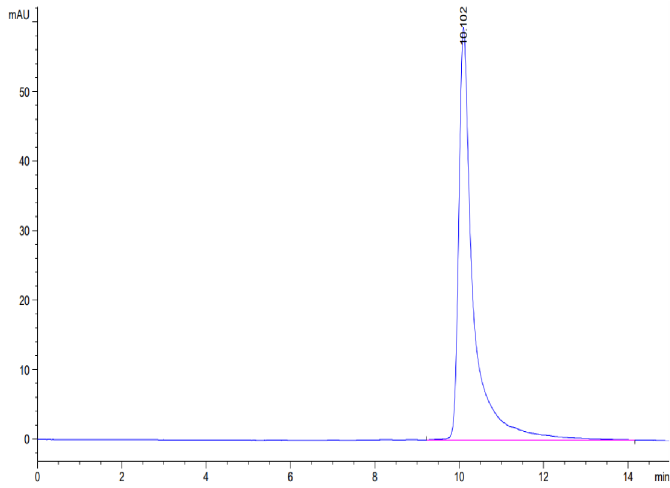
Scavenger receptor A5 (SCARA5) is a member of the class A scavenger receptors, with most similarity to SCARA1 (SR-A) and SCARA2 (MARCO), which are primarily expressed by macrophages and dendritic cells, in which they participate in clearance of various polyanionic macromolecules, pollution particles, and pathogens. In contrast to expression of SCARA1 and SCARA2 in immune cells, SCARA5 is found in a subset of fibroblast-like cells in the interstitial stroma of most organs, with additional expression in the epithelial cells of testis and choroid plexus

**Assay Data****Tris-Bis PAGE**

Human MARCO on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

**SEC-HPLC**

Assay Data



The purity of Human MARCO is greater than 95% as determined by SEC-HPLC.