

Datasheet for ABIN7275278

**MARCO Protein (AA 405-520) (His tag)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	MARCO
Protein Characteristics:	AA 405-520
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MARCO protein is labelled with His tag.

## Product Details

Purpose:	Human MARCO Protein
Sequence:	Ser405-Val520
Characteristics:	Recombinant Human MARCO Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Ser405-Val520.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	MARCO
Alternative Name:	MARCO ( <a href="#">MARCO Products</a> )

## Target Details

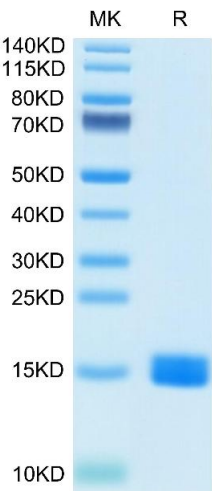
Background:	Macrophage receptor with collagenous structure (MARCO) is the predominant scavenger receptor for recognition and binding of silica particles by alveolar macrophages (AM). MARCO contributes to normal cholesterol uptake in macrophages, therefore, in the absence of MARCO, macrophages are more susceptible to a greater inflammatory response by particulates known to cause NLRP3 inflammasome activation and the effect is due to increased LMP.
Molecular Weight:	13.8 kDa. Due to glycosylation, the protein migrates to 14-20 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">Activation of Innate immune Response</a>

## Application Details

Restrictions:	For Research Use only
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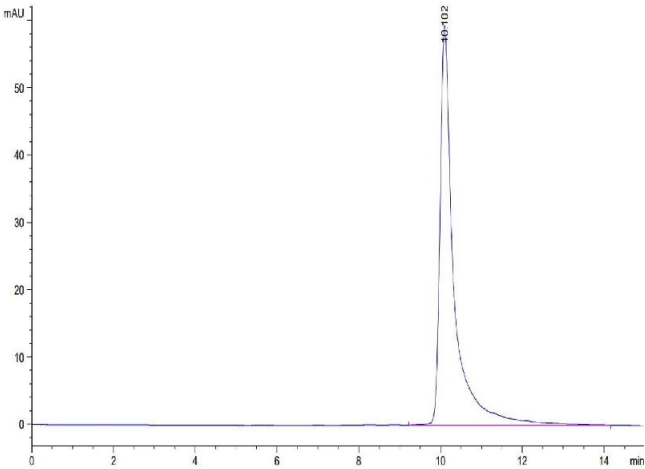
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS, 200 mM L-arginine ( pH 8.0). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

**Image 1.** Human MARCO on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Human MARCO is greater than 95 % as determined by SEC-HPLC.