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Datasheet for ABIN7275279

MARCO Protein (AA 70-518) (His tag)

2 Images

Overview

Quantity:	100 µg
Target:	MARCO
Protein Characteristics:	AA 70-518
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MARCO protein is labelled with His tag.

Product Details

Purpose:	Mouse MARCO Protein
Sequence:	Gln70-Ser518
Characteristics:	Recombinant Mouse MARCO Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Gln70-Ser518.
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 (MARCO Products)

Target Details

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

Molecular Weight: 46.2 kDa. Due to glycosylation, the protein migrates to 48-53 kDa based on Tris-Bis PAGE result.

Pathways: [Activation of Innate immune Response](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

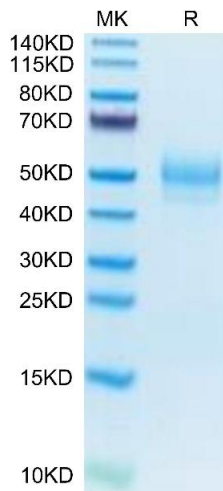
Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C,-80 °C

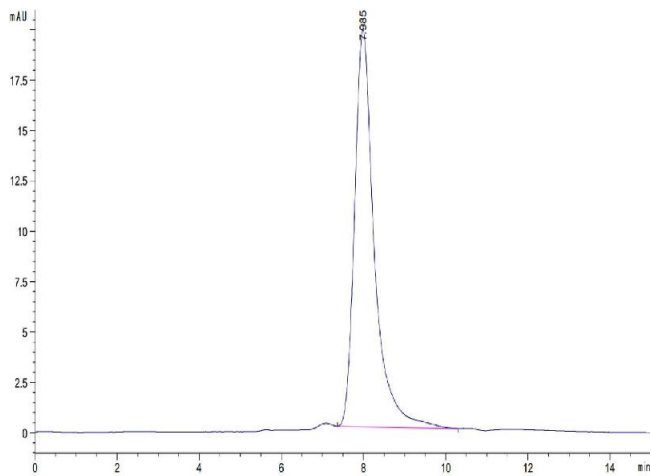
Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Mouse 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 Mouse MARCO is greater than 95 % as determined by SEC-HPLC.