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Datasheet for ABIN7121165 MARCO Protein (His tag)

Overview

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

Product Details

Purpose:	Cynomolgus MARCO Protein, His Tag
Sequence:	Met 79 - Ile 520
Characteristics:	Cynomolgus MARCO, His Tag (MAR-C5248) is expressed from human 293 cells (HEK293). It contains AA Met 79 - Ile 520 (Accession # A0A2K5X0Z2-1).
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	MARCO
Alternative Name:	MARCO (MARCO Products)
Background:	Synonyms: MARCO, SCARA2, Macrophage receptor with collagenous structure, Scavenger receptor class A member 2, Description: MARCO is also known as Scavenger receptor class A member 2 and SCARA2.

Target Details

Pattern recognition receptor (PRR) which binds Gram-positive and Gram-negative bacteria. Also plays a role in binding of unopsonized particles by alveolar macrophages. Binds to the secretoglobin SCGB3A2. MARCO ligation promotes the production of inflammatory mediators by macrophages. MARCO mediated internalization of some ligands prevents their activation of cell surface TLR4 but enables their activation of intracellular TLR3. MARCO contributes to the clearance of apoptotic cells and inhaled bacteria, mast cell mediated silicosis, and the amelioration of allergen or ozone induced lung inflammation. It is required for the organization of the splenic marginal zone and the interaction of splenic macrophages and B cells.

Molecular Weight: 45.6 kDa

NCBI Accession: [XP_005573011](#)

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

Application Details

Application Notes: This protein carries a polyhistidine tag at the N-terminus. The protein has a calculated MW of 45.6 kDa. The protein migrates as 60-70 kDa under reducing (R) condition due to glycosylation.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -20 °C

Storage Comment: -20°C