

MARCO Protein, Mouse (HEK293, His)

Cat. No.:	HY-P70855
Synonyms:	Macrophage receptor MARCO; Marco; Macrophage receptor with collagen
Species:	Mouse
Source:	HEK293
Accession:	Q60754 (Q70-S518)
Gene ID:	17167
Molecular Weight:	55-65 kDa

PROPERTIES

AA Sequence

Q V L N L Q E Q L Q	M L E M C C G N G S	L A I E D K P F F S	L Q W A P K T H L V
P R A Q G L Q A L Q	A Q L S W V H T S Q	E Q L R Q Q F N N L	T Q N P E L F Q I K
G E R G S P G P K G	A P G A P G I P G L	P G P A A E K G E K	G A A G R D G T P G
V Q G P Q G P P G S	K G E A G L Q G L T	G A P G K Q G A T G	A P G P R G E K G S
K G D I G L T G P K	G E H G T K G D K G	D L G L P G N K G D	M G M K G D T G P M
G S P G A Q G G K G	D A G K P G L P G L	A G S P G V K G D Q	G K P G V Q G V P G
P Q G A P G L S G A	K G E P G R T G L P	G P A G P P G I A G	N P G I A G V K G S
K G D T G I Q G Q K	G T K G E S G V P G	L V G R K G D T G S	P G L A G P K G E P
G R V G Q K G D P G	M K G S S G Q Q G Q	K G E K G Q K G E S	F Q R V R I M G G T
N R G R A E V Y Y N	N E W G T I C D D D	W D N N D A T V F C	R M L G Y S R G R A
L S S Y G G G S G N	I W L D N V N C R G	T E N S L W D C S K	N S W G N H N C V H
N E D A G V E C S			

Appearance Lyophilized powder.

Formulation Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Endotoxin Level <1 EU/µg, determined by LAL method.

Reconstitution It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

MARCO Protein is a pattern recognition receptor (PRR) that has the ability to bind both Gram-positive and Gram-negative bacteria. It also plays a role in binding unopsonized particles by alveolar macrophages. Additionally, MARCO Protein can bind to the secretoglobin SCGB3A2. It forms a homotrimer structure that is disulfide-linked, and these trimers can further assemble into larger oligomers, creating a large surface area capable of interacting with very large ligands.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA