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MARCO Recombinant Rabbit mAb

Catalog # AP99183

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9UEW3
Other Accession	Q9UEW3
Reactivity	Mouse
Host	Rabbit
Clonality	Recombinant
Calculated MW	52658
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse MARCO
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 collagen-like domain.Contains 1 SRCR domain.
SUBUNIT	Homotrimer. Trimers may assemble in larger oligomers thus resulting in the creation of a large surface capable of interacting with very large ligands.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is a member of the class A scavenger receptor family and is part of the innate antimicrobial immune system. The protein may bind both Gram-negative and Gram-positive bacteria via an extracellular, C-terminal, scavenger receptor cysteine-rich (SRCR) domain. In addition to short cytoplasmic and transmembrane domains, there is an extracellular spacer domain and a long, extracellular collagenous domain. The protein may form a trimeric molecule by the association of the collagenous domains of three identical polypeptide chains. [provided by RefSeq].

Additional Information

Gene ID	8685
Other Names	SCARA2; SR-A6; MARCO_HUMAN; MARCO; Macrophage receptor with collagenous structure; Scavenger receptor class A member 2; scavenger receptor class A, member 2
Dilution	WB=1:500-2000,IHC-P=1:50-200,IHC-F=1:50-200,ELISA=1:5000-10000,IF=1:50-200
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	MARCO
Synonyms	SCARA2
Function	Pattern recognition receptor (PRR) which binds Gram-positive and Gram-negative bacteria (PubMed:9468508). Also plays a role in binding of unopsonized particles by alveolar macrophages (By similarity). Binds to the secretoglobin SCGB3A2 (PubMed:12847263).
Cellular Location	Cell membrane; Single-pass type II membrane protein
Tissue Location	Expressed in alveolar macrophages (at protein level). Detected in macrophages from various tissues including thymus, kidney, Kupffer cells of liver, and spleen (PubMed:9468508)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.