

Rabbit anti-Human MARCO Polyclonal Antibody | anti-MARCO antibody

MARCO Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286162	Rabbit	Human	Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA, Western Blot

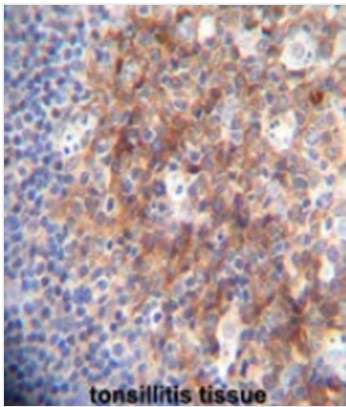
PRODUCT SYNONYMS

MARCO; Polyclonal Antibody; MARCO Antibody (N-term); Macrophage receptor MARCO; Macrophage receptor with collagenous structure; Scavenger receptor class A member 2; SCARA2; anti-MARCO antibody

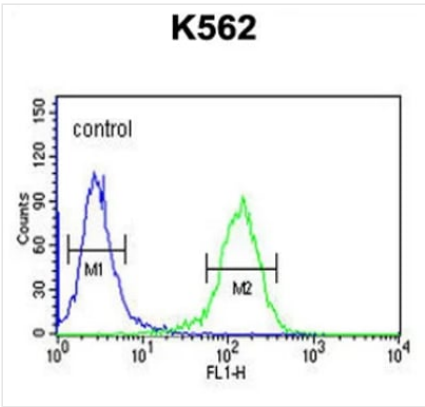
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This MARCO antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 13-40 amino acids from the N-terminal region of human MARCO.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	13-40
Sequence Length	442
Applicable Applications for anti-MARCO antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
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 secretoglobulin 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).
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

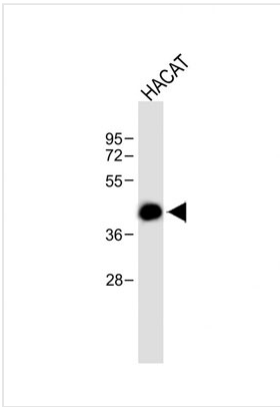
IMAGES



IHC (Immunohistochemisry)
MARCO Antibody (N-term) (AAA286162) immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsillitis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of MARCO Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



FCM/FACS (Flow Cytometry)
MARCO Antibody (N-term) (AAA286162) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Anti-MARCO Antibody (N-term) at 1:500 dilution + HACAT whole cell lysateLysates/proteins at 20 ug per lane.Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution.Predicted band size : 53 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-MARCO antibody	MARCO 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.
Product Categories/Family for anti-MARCO antibody	Immunology; Microbiology
References	Wright, A.K., et al. J. Leukoc. Biol. 86(3):479-489(2009) Trynka, G., et al. Gut 58(8):1078-1083(2009) Arredouani, M.S., et al. J. Immunol. 175(9):6058-6064(2005) Liu, T., et al. J. Proteome Res. 4(6):2070-2080(2005) Seta, N., et al. Arthritis Rheum. 44(4):931-939(2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5803080
NCBI GeneID	8685

NCBI Accession #	NP_006761.1
NCBI GenBank Nucleotide #	NM_006770.3
UniProt Accession #	Q9UEW3; Q9Y5S3; B4DW79
NCBI Official Full Name	macrophage receptor MARCO
NCBI Official Synonym Full Names	macrophage receptor with collagenous structure
NCBI Official Symbol	MARCO
NCBI Official Synonym Symbols	SCARA2
NCBI Protein Information	macrophage receptor MARCO
UniProt Protein Name	Macrophage receptor MARCO
UniProt Gene Name	MARCO
UniProt Synonym Gene Names	SCARA2
UniProt Entry Name	MARCO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/marco-antibody-immunohistochemistry-flow-cytometry-western-blot-elisa/286162>