

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

Anti-MARCO Antibody Picoband

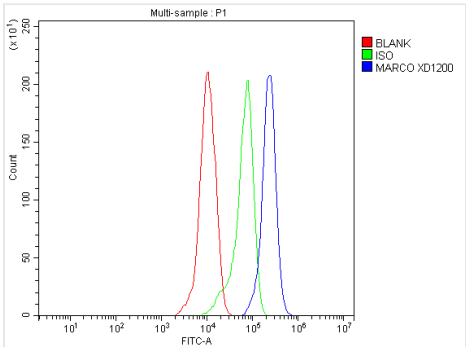
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128237	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

MARCO; Polyclonal Antibody; Anti-MARCO Antibody Picoband; Macrophage receptor MARCO; SCARA2; Macrophage receptor with collagenous structure; Scavenger receptor class A member 2; anti-MARCO antibody

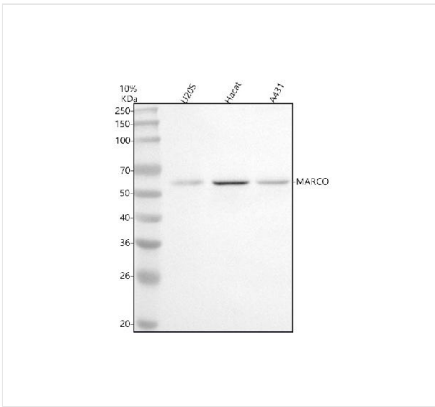
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-MARCO antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human MARCO recombinant protein (Position: M1-R489). Human MARCO shares 66.5% amino acid (aa) sequence identity with mouse MARCO.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Cross Reactivity	No cross-reactivity with other proteins
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of THP-1 cells using anti-MARCO antibody (AAA128237).Overlay histogram showing THP-1 cells stained with AAA128237 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-MARCO Antibody (AAA128237, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)

Figure 1. Western blot analysis of MARCO using anti-MARCO antibody (AAA128237).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human U2OS whole cell lysates,Lane 2: human HAcet whole cell lysates,Lane 3: human A431 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MARCO antigen affinity purified polyclonal antibody (AAA128237) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for MARCO at approximately 53 kDa. The expected band size for MARCO is at 53 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MARCO antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-MARCO antibody	Primary Antibodies
References	1. Arredouani, M., Yang, Z., Ning, Y. Y., Qin, G., Soininen, R., Tryggvason, K., Kobzik, L. The scavenger receptor MARCO is required for lung defense against Pneumococcal pneumonia and inhaled particles. J. Exp. Med. 200: 267-272, 2004.2. Dorrington, M. G., Roche, A. M., Chauvin, S. E., Tu, Z., Mossman, K. L., Weiser, J. N., Bowdish, D. M. E. MARCO is required for TLR2- and Nod2-mediated responses to Streptococcus pneumoniae and clearance of pneumococcal colonization in the murine nasopharynx. J. Immun. 190: 250-258, 2013.3. Elomaa, O., Kangas, M., Sahlberg, C., Tuukkanen, J., Sormunen, R., Liakka, A., Thesleff, I., Kraal, G., Tryggvason, K. Cloning of a novel bacteria-binding receptor structurally related to scavenger receptors and expressed in a subset of macrophages. Cell 80: 603-609, 1995.

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
Molecular Weight	43,865 Da
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	SR-A6; SCARA2
NCBI Protein Information	macrophage receptor MARCO
UniProt Protein Name	Macrophage receptor MARCO
UniProt Gene Name	MARCO
UniProt Synonym Gene Names	SCARA2

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/marco-antibody-flow-cytometry-western-blot-elisa/128237>