

Rabbit MMD Polyclonal Antibody | anti-MMD antibody

Anti-MMD Antibody Picoband

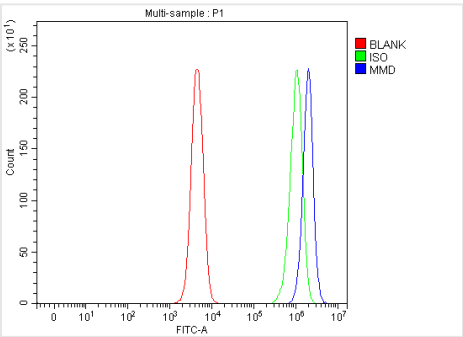
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127343	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

MMD; Polyclonal Antibody; Anti-MMD Antibody Picoband; anti-MMD antibody

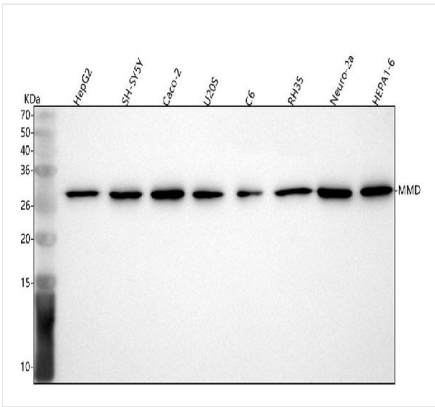
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
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-MMD antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human MMD recombinant protein (Position: R20-A182). Human MMD shares 100% amino acid (aa) sequence identity with both mouse and rat MMD.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
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 SH-SY5Y cells using anti-MMD antibody (AAA127343). Overlay histogram showing SH-SY5Y cells stained with AAA127343 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-MMD Antibody (AAA127343, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 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 (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of MMD using anti-MMD antibody (AAA127343). 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 HepG2 whole cell lysates, Lane 2: human SH-SY5Y whole cell lysates, Lane 3: human Caco-2 whole cell lysates, Lane 4: human U2OS whole cell lysates, Lane 5: rat C6 whole cell lysates, Lane 6: rat RH35 whole cell lysates, Lane 7: mouse Neuro-2a whole cell lysates, Lane 8: mouse HEP1-6 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-MMD antigen affinity purified polyclonal antibody (#AAA127343) at 0.25ug/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 MMD at approximately 28 kDa. The expected band size for MMD is at 28 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MMD 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-MMD antibody	Primary Antibodies
References	1. Rehli, M., Krause, S. W., Schwarzfischer, L., Kreutz, M., Andreesen, R. Molecular cloning of a novel macrophage maturation-associated transcript encoding a protein with several potential transmembrane domains. Biochem. Biophys. Res. Commun. 217: 661-667, 1995.2. Tang, Y. T., Hu, T., Arterburn, M., Boyle, B., Bright, J. M., Emtage, P. C., Funk, W. D. PAQR proteins: a novel membrane receptor family defined by an ancient 7-transmembrane pass motif. J. Molec. Evol. 61: 372-380, 2005.

NCBI AND UNIPROT INFORMATION

NCBI GI #	52630445
NCBI GeneID	23531
NCBI Accession #	NP_036461.2
NCBI GenBank Nucleotide #	NM_012329.2
UniProt Accession #	Q15546; Q8TAN7; B2R6X9; D3DTY6
Molecular Weight	27,667 Da
NCBI Official Full Name	monocyte to macrophage differentiation factor
NCBI Official Synonym Full Names	monocyte to macrophage differentiation-associated

NCBI Official Symbol	MMD
NCBI Official Synonym Symbols	MMA; MMD1; PAQR11
NCBI Protein Information	monocyte to macrophage differentiation factor; macrophage maturation-associated; monocyte to macrophage differentiation protein; progesterin and adipoQ receptor family member 11; progesterin and adipoQ receptor family member XI
UniProt Protein Name	Monocyte to macrophage differentiation factor
UniProt Gene Name	MMD
UniProt Synonym Gene Names	PAQR11
UniProt Entry Name	PAQRB_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/mmd-antibody-flow-cytometry-western-blot-elisa/127343>