

Rabbit MAEA Polyclonal Antibody | anti-MAEA antibody

Anti-MAEA Antibody Picoband

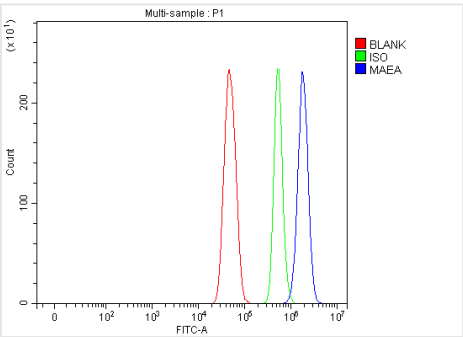
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127545	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

MAEA; Polyclonal Antibody; Anti-MAEA Antibody Picoband; EGF like domain multiple 6; Epidermal growth factor-like protein 6; EGF-like protein 6; MAM and EGF domains-containing gene protein; EGFL6; MAEG; PP648; UNQ281/PRO320; anti-MAEA antibody

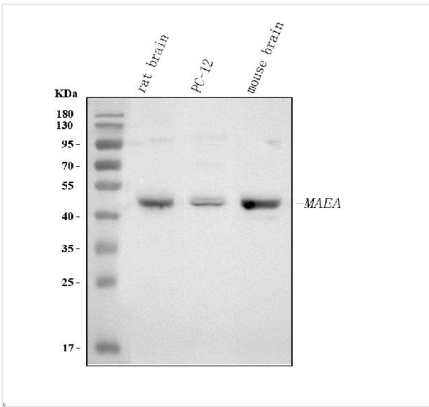
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Ubiquitous.
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-MAEA antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Immunogen	E coli-derived human MAEA recombinant protein (Position: M1-E349).
Subcellular Localization	Basement membrane
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	May bind integrin alpha-8/beta-1 and play a role in hair follicle morphogenesis. Promotes matrix assembly (By similarity).
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 U251 cells using anti-MAEA antibody (AAA127545). Overlay histogram showing U251 cells stained with AAA127545 (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-MAEA Antibody (AAA127545, 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 MAEA using anti-MAEA antibody (AAA127545). 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: rat brain tissue lysates, Lane 2: rat PC-12 whole cell lysates, Lane 3: mouse brain tissue 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-MAEA antigen affinity purified polyclonal antibody (#AAA127545) 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 MAEA at approximately 45 kDa. The expected band size for MAEA is at 45 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MAEA 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-MAEA antibody	Primary Antibodies; Growth Factors/Hormones; Signal Transduction
References	1. Hanspal, M., Smockova, Y., Uong, Q. Molecular identification and functional characterization of a novel protein that mediates the attachment of erythroblasts to macrophages. Blood 92: 2940-2950, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62953131
NCBI GeneID	10296
NCBI Accession #	NP_001017405.1
NCBI GenBank Nucleotide #	NM_001017405.1
UniProt Accession #	Q7L5Y9; O95285; Q5JB54; Q6ZRD6; Q9BQ11; Q9H9V6; Q9H9Z4; Q9NW84
Molecular Weight	45,287 Da
NCBI Official Full Name	macrophage erythroblast attacher isoform 1
NCBI Official Synonym Full Names	macrophage erythroblast attacher
NCBI Official Symbol	MAEA
NCBI Official Synonym Symbols	EMP; EMLP; GID9; PIG5; HLC-10

NCBI Protein Information	macrophage erythroblast attacher; proliferation-inducing gene 5; lung cancer-related protein 10; erythroblast macrophage protein; GID complex subunit 9, FYV10 homolog; human lung cancer oncogene 10 protein; cell proliferation-inducing gene 5 protein
UniProt Protein Name	Macrophage erythroblast attacher
UniProt Gene Name	MAEA
UniProt Synonym Gene Names	EMP; HLC-10
UniProt Entry Name	MAEA_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/maea-antibody-flow-cytometry-western-blot-elisa/127545>