

Rabbit ME3 Polyclonal Antibody | anti-ME3 antibody

Anti-ME3 Antibody Picoband

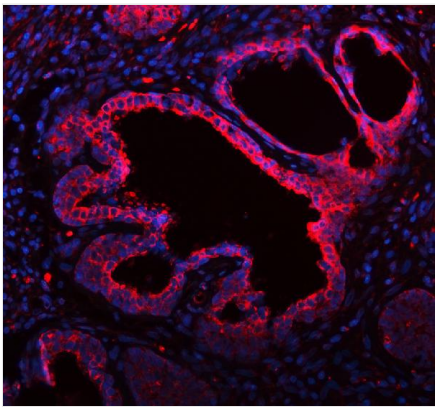
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19835	Rabbit	Human, Monkey, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ME3; Polyclonal Antibody; Anti-ME3 Antibody Picoband; anti-ME3 antibody

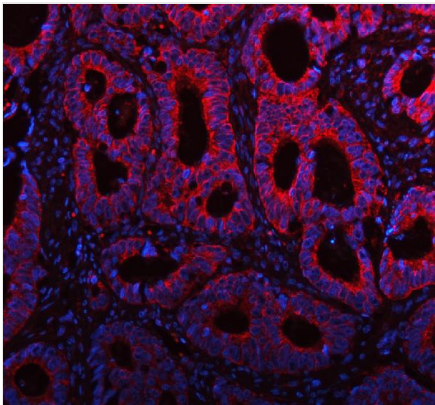
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey, 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-ME3 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	WB: 0.1-0.25ug/ml, Human, Monkey, Mouse, Rat IHC: 2-5ug/ml, Human IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human ME3 recombinant protein (Position: R17-D585). Human ME3 shares 95.8% amino acid (aa) sequence identity with mouse ME3.
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.



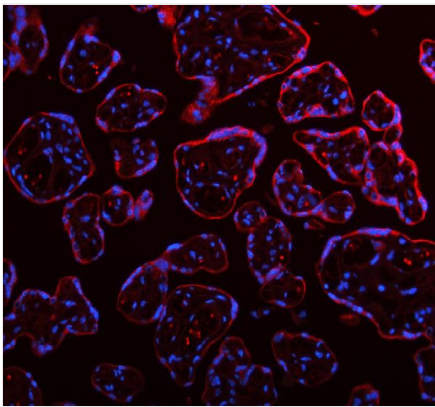
IF (Immunofluorescence)

Figure 15. IF analysis of ME3 using anti-ME3 antibody (AAA19835).ME3 was detected in a paraffin-embedded section of human prostate cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5ug/mL rabbit anti-ME3 Antibody (AAA19835) overnight at 4 degree C. DyLight®594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



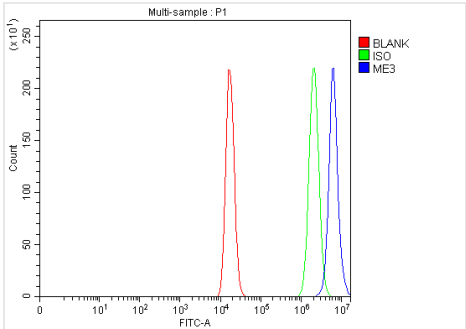
IF (Immunofluorescence)

Figure 13. IF analysis of ME3 using anti-ME3 antibody (AAA19835).ME3 was detected in a paraffin-embedded section of human colon cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5ug/mL rabbit anti-ME3 Antibody (AAA19835) overnight at 4 degree C. DyLight®594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IF (Immunofluorescence)

Figure 14. IF analysis of ME3 using anti-ME3 antibody (AAA19835).ME3 was detected in a paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5ug/mL rabbit anti-ME3 Antibody (AAA19835) overnight at 4 degree C. DyLight®594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



FCM (Flow Cytometry)

Figure 12. Flow Cytometry analysis of HEL cells using anti-ME3 antibody (AAA19835).Overlay histogram showing HEL cells stained with AAA19835 (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-ME3 Antibody (AAA19835, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10ug/1x10⁶ cells) 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.



AAA19835 | For Research Use Only. Not for use in diagnostic procedures.

ADDITIONAL INFORMATION

Related Product Information for anti-ME3 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-ME3 antibody	Primary Antibodies
References	1. Loeber, G., Maurer-Fogy, I., Schwendenwein, R. Purification, cDNA cloning and heterologous expression of the human mitochondrial NADP(+)-dependent malic enzyme. Biochem. J. 304: 687-692, 1994.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62420882
NCBI GeneID	10873
NCBI Accession #	NP_001014811.1
NCBI GenBank Nucleotide #	NM_001014811.1
UniProt Accession #	Q16798
Molecular Weight	67,068 Da
NCBI Official Full Name	NADP-dependent malic enzyme, mitochondrial
NCBI Official Synonym Full Names	malic enzyme 3, NADP(+)-dependent, mitochondrial
NCBI Official Symbol	ME3
NCBI Official Synonym Symbols	NADP-ME
NCBI Protein Information	NADP-dependent malic enzyme, mitochondrial; malate dehydrogenase; pyruvic-malic carboxylase; malic enzyme, NADP+-dependent, mitochondrial; mitochondrial NADP(+)-dependent malic enzyme 3
UniProt Protein Name	NADP-dependent malic enzyme, mitochondrial
UniProt Gene Name	ME3
UniProt Synonym Gene Names	NADP-ME
UniProt Entry Name	MAON_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://stage.aaabiotech.com/polyclonal/me3-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/19835>