

Mouse anti-Human AMP Deaminase, Isoform E (AMPD3) Monoclonal Antibody | anti-AMPD3 antibody

AMP Deaminase, Isoform E (AMPD3) (Erythroid Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62754	Mouse	Human	Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

AMP Deaminase; Isoform E (AMPD3); Monoclonal Antibody; Isoform E (AMPD3) (Erythroid Marker) Mouse Monoclonal Antibody; Adenosine monophosphate deaminase (isoform E); AMP aminohydrolase; AMP deaminase 3; AMP deaminase isoform E; Ampd3; Erythrocyte AMP deaminase; Erythrocyte specific AMP deaminase; Erythrocyte specific protein; Erythrocyte type AMP deaminase; Myoadenylate deaminase; anti-AMPD3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	AMPD3/901
Specificity	It recognizes a protein of ~90kDa, which is identified as Adenosine Monophosphate Deaminase, isoform E (AMPD3). It has 767 amino acids and is assigned an EC 3.5.4.6. It is a highly regulated enzyme that catalyzes the hydrolytic deamination of adenosine monophosphate to inosine monophosphate, a branch point in the adenylate catabolic pathway. AMPD3 gene encodes the erythrocyte (E) isoforms, whereas other family members encode isoforms that predominate in muscle (M) and liver (L) cells. This MAb shows reactivity with cells of the erythroid lineage at all stages of maturation in the peripheral blood, bone marrow, and fetal liver. Non-erythroid lineages are negative by flow cytometry. This MAb is useful in the erythroleukemia, identification of bone marrow erythroid precursors, gating erythroid nucleated precursor cells from malignant cells in bone marrow specimens.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	776
Applicable Applications for anti-AMPD3 antibody	IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell Surface
Immunogen	Recombinant full-length human AMPD3 protein
Hu-Chromosome Location	11p15.4
Positive Control	RBC. Fetal liver; Spleen or Placenta
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded human Placenta stained with AMPD3 Monoclonal Antibody (AMPD3/901)



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with AMPD3 Monoclonal Antibody (AMPD3/901)

ADDITIONAL INFORMATION

References	Sabina RL, Waldenstrm A, Ronquist G. The contribution of Ca+ calmodulin activation of human erythrocyte AMP deaminase (isoform E) to the erythrocyte metabolic dysregulation of familial phosphofructokinase deficiency. Haematologica. 2006;91(5):652-5
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502079
NCBI GeneID	272
NCBI Accession #	NP_000471.1
NCBI GenBank Nucleotide #	NM_000480.2
UniProt Accession #	Q01432; A0AUX0; B7Z2S2; B7Z763; B7Z877
Molecular Weight	~90kDa
NCBI Official Full Name	AMP deaminase 3 isoform 1A
NCBI Official Synonym Full Names	adenosine monophosphate deaminase 3
NCBI Official Symbol	AMPD3
NCBI Protein Information	AMP deaminase 3
UniProt Protein Name	AMP deaminase 3
UniProt Gene Name	AMPD3
UniProt Entry Name	AMPD3_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/monoclonal/amp-deaminase-isoform-e-ampd3-antibody-clone-ampd3-901-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/62754>