

Datasheet for ABIN3025068
anti-AMPD3 antibody



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2 Images

Overview

Quantity:	100 µg
Target:	AMPD3
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This AMPD3 antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant full-length human protein was used as the immunogen for the AMPD3 antibody.
Clone:	AMPD3-901
Isotype:	IgG2b kappa
Characteristics:	It recognizes a protein of ~90 kDa, 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 diagnosis of erythroleukemia, identification of bone marrow erythroid precursors, gating

Product Details

erythroid nucleated precursor cells from malignant cells in bone marrow specimens.

Purification: Protein G affinity chromatography

Target Details

Target: AMPD3

Alternative Name: AMPD3 ([AMPD3 Products](#))

Background: It recognizes a protein of ~90 kDa, 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 diagnosis of erythroleukemia, identification of bone marrow erythroid precursors, gating erythroid nucleated precursor cells from malignant cells in bone marrow specimens.

Application Details

Application Notes: Optimal dilution of the AMPD3 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Flow Cytometry: 1-2 µg/million cells in 0.1ml,Immunofluorescence: 0.5-1 µg/mL,Immunocytochemistry: 1-2 µg/mL for 30 min at RT,Immunohistology (FFPE): 2-4 µg/mL for 30 min at RT (1),Prediluted format : incubate for 30 min at RT (2)

Restrictions: For Research Use only

Handling

Concentration: 0.2 mg/mL

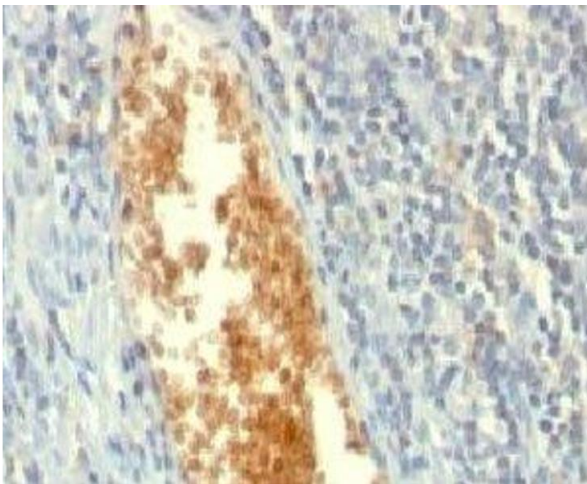
Buffer: 0.2 mg/mL in 1X PBS with 0.1 mg/mL BSA (US sourced) and 0.05 % sodium azide

Preservative: Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store the AMPD3 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

Images



Immunohistochemistry

Image 1. Formalin-fixed, paraffin-embedded human tonsil stained with AMPD3 antibody (AMPD3/901)



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human placenta stained with AMPD3 antibody (AMPD3/901)