

## 36-1185: Monoclonal Antibody to AMP Deaminase, Isoform E (AMPD3) (Erythroid Marker)(Clone : AMPD3/901)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	AMPD3/901
<b>Application :</b>	IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	AMPD3
<b>Gene ID :</b>	272
<b>Uniprot ID :</b>	Q01432
<b>Format :</b>	Purified
<b>Alternative Name :</b>	AMPD3
<b>Isotype :</b>	Mouse IgG2b, kappa
<b>Immunogen Information :</b>	Recombinant full-length human AMPD3 protein

### Description

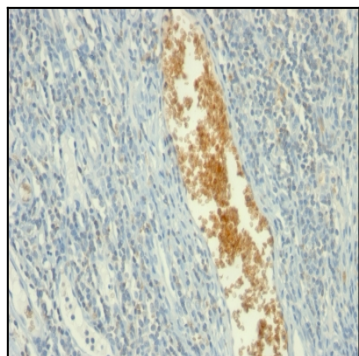
It recognizes a protein of ~90kDa, which is identified as Adenosine Monophosphate Deaminase, isoform E (AMPD3). It has 767 amino acids and is assigned an EC 3.5.4.6. It is a highly regulated enzyme that catalyzes the hydrolytic deamination of adenosine monophosphate to inosine monophosphate, a branch 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 diagnosis of erythroleukemia, identification of bone marrow erythroid precursors, gating erythroid nucleated precursor cells from malignant cells in bone marrow specimens.

### Product Info

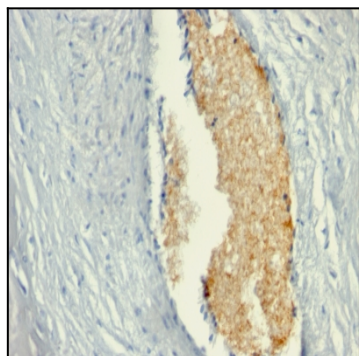
<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Immunohistochemistry (Formalin-fixed) (2-4ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);



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



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