

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

Mouse Monoclonal Antibody [Clone AMPD3/901]

Catalog No	Format	Size
272-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
272-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
272-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

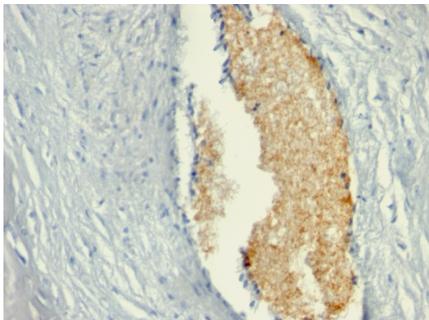
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

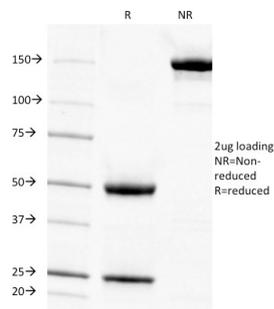
Clone	AMPD3/901
Gene Name	AMPD3
Immunogen	Recombinant full-length human AMDP3 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	~90kDa
Species Reactivity	Human
Positive Control	RBC. Fetal liver; Spleen or Placenta.

*Optimal dilution for a specific application should be determined.

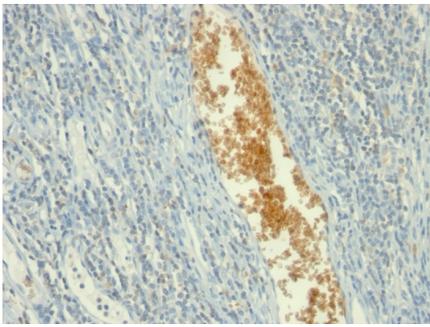
Product Images for AMP Deaminase, Isoform E (AMPD3) (Erythroid Marker) Antibody



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



SDS-PAGE Analysis of Purified AMPD3 Mouse Monoclonal Antibody (AMPD3/901). Confirmation of Integrity and Purity of Antibody.



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

Specificity & Comments

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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

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.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Immunology, Nuclear Marker