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ALDOC Antibody (C-term)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2215b

Product Information

Application	WB, FC, E
Primary Accession	P09972
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Isotype	IgG3
Clone Names	859CT9.5.3
Calculated MW	39456

Additional Information

Gene ID	230
Other Names	Fructose-bisphosphate aldolase C, Brain-type aldolase, ALDOC, ALDC
Target/Specificity	Purified His-tagged ALDOC protein was used to produced this monoclonal antibody.
Dilution	WB~~1:1000 FC~~1:25 E~~Use at an assay dependent concentration.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ALDOC Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

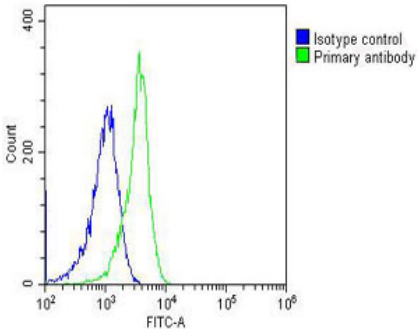
Protein Information

Name	ALDOC (HGNC:418)
Synonyms	ALDC
Function	Catalyzes the reversible conversion of beta-D-fructose 1,6- bisphosphate (FBP) into two triose phosphate and plays a key role in glycolysis and gluconeogenesis.

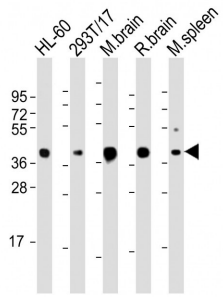
References

Rottmann W.H., et al. Biochimie 69:137-145(1987).
Buono P., et al. Nucleic Acids Res. 16:4733-4733(1988).
Buono P., et al. Eur. J. Biochem. 192:805-811(1990).
Yu W., et al. Submitted (MAR-1998) to the EMBL/GenBank/DDBJ databases.
Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

Images



Overlay histogram showing HL-60 cells stained with AM2215B(green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AM2215B, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OJ192088) at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was mouse IgG3 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



All lanes : Anti-ALDOC Antibody (C-term) at 1:2000 dilution Lane 1: HL-60 whole cell lysate Lane 2: 293T/17 whole cell lysate Lane 3: mouse brain lysate Lane 4: rat brain lysate Lane 5: mouse spleen lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.