

For Research Use Only

ME1 Monoclonal antibody, PBS Only

Catalog Number: 68117-1-PBS



Basic Information

Catalog Number: 68117-1-PBS	GenBank Accession Number: BC025246	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 4199	CloneNo.: 2G9G9
Source: Mouse	UNIPROT ID: P48163	
Isotype: IgG2a	Full Name: malic enzyme 1, NADP(+)-dependent, cytosolic	
Immunogen Catalog Number: AG9916	Calculated MW: 572 aa, 64 kDa	
	Observed MW: 55-64 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human, mouse, rat, rabbit, pig

Background Information

ME1(NADP-dependent malic enzyme) belongs to the malic enzymes family. This malic enzyme catalyzes the reversible oxidative decarboxylation of malate and is a link between the glycolytic pathway and the citric acid cycle. The reaction is L-malate plus NADP(+) to form pyruvate, CO₂, and NADPH.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

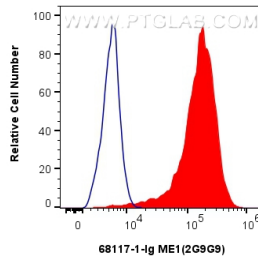
T: 4006900926

E: Proteintech-CN@ptglab.com

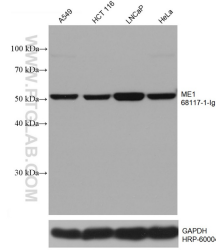
W: ptgcn.com

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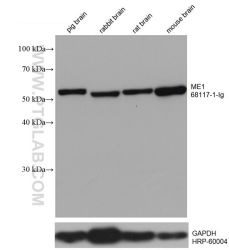
Selected Validation Data



1x10⁶ HeLa cells were intracellularly stained with 0.8 ug ME1 Monoclonal antibody (68117-1-Ig, Clone:2G9G9) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.8 ug Mouse IgG2a isotype control Mouse McAb (66360-2-Ig, Clone: 11A1B2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 68117-1-PBS in a different storage buffer



Various lysates were subjected to SDS PAGE followed by western blot with 68117-1-Ig (ME1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68117-1-PBS in a different storage buffer formulation.



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