

CoraLite® Plus 488-conjugated PGM1 Monoclonal antibody

Catalog Number: **CL488-66105**

Basic Information

Catalog Number: CL488-66105	GenBank Accession Number: BC001756	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 5236	CloneNo.: 2G5A8
Source: Mouse	UNIPROT ID: P36871	Recommended Dilutions: IF/ICC 1:300-1:1200
Isotype: IgG2b	Full Name: phosphoglucomutase 1	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG7294	Calculated MW: 61 kDa	
	Observed MW: 61 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human, mouse, rat, rabbit, pig	

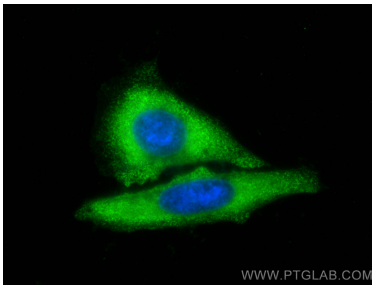
Background Information

PGM1(Phosphoglucomutase-1) is also named as glucose phosphomutase 1 and belongs to the phosphohexose mutase family. It catalyzes the transfer of phosphate between the 1 and 6 positions of glucose. In most cell types, PGM1 isozymes predominate, representing about 90% of total PGM activity. One exception is red cells, where PGM2 is a major isozyme(PMID:8257433). Defects in PGM1 are the cause of glycogen storage disease type 14 (GSD14) (PMID:19625727). It has 2 isoforms produced by alternative splicing.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 PGM1 antibody (CL488-66105, Clone: 2G5A8) at dilution of 1:600.