

For Research Use Only

# CoraLite® Plus 488-conjugated PGM1 Monoclonal antibody



Catalog Number: CL488-66105

## Basic Information

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

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF : HepG2 cells,
<b>Species Specificity:</b> 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

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

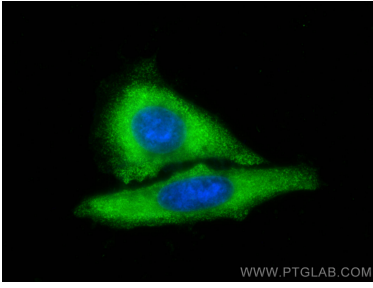
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## Selected Validation Data



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