

For Research Use Only

# CoraLite® Plus 488-conjugated PGK1 Monoclonal antibody



Catalog Number: CL488-68035

## Basic Information

<b>Catalog Number:</b> CL488-68035	<b>GenBank Accession Number:</b> BC103752	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 5230	<b>CloneNo.:</b> 1B2F3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P00558	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG1	<b>Full Name:</b> phosphoglycerate kinase 1	
<b>Immunogen Catalog Number:</b> AG12099	<b>Calculated MW:</b> 417 aa, 45 kDa	
	<b>Observed MW:</b> 40-45 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
Human

## Background Information

PGK1, also known as PGKA, belongs to the phosphoglycerate kinase family. PGK1 is the first ATP-generating enzyme in glycolysis, which catalyzes the conversion of 1,3-diphosphoglycerate (1,3-BPG) to 3-phosphoglycerate (3-PG) and produces one molecule of ATP. PGK1 has other functions besides regulating glycolytic metabolism, including mediating autophagy initiation, DNA replication and repair in mammal cell nuclei. PGK1 has 2 isoforms with the molecular mass of 41 and 45 kDa (PMID: 31815035, PMID: 31911580).

## 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:

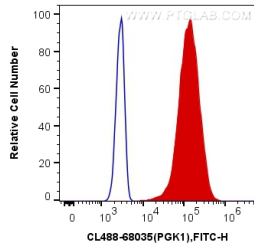
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human PGK1 (CL488-68035, Clone:1B2F3) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).