

# CoraLite® Plus 488-conjugated PFKP

## Monoclonal antibody

Catalog Number: **CL488-68129**

### Basic Information

**Catalog Number:**

CL488-68129

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG25206

**GenBank Accession Number:**

BC029138

**GeneID (NCBI):**

5214

**UNIPROT ID:**

Q01813

**Full Name:**

phosphofructokinase, platelet

**Calculated MW:**

784 aa, 86 kDa

**Observed MW:**

80-86 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1H4D4

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima wavelengths:**

493 nm / 522 nm

### Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

Human, Mouse, Rat, Rabbit

**Positive Controls:**

IF/ICC : HeLa cells,

### Background Information

PFKP(6-phosphofructokinase, platelet type) is also named as PFKF, PFK-C and belongs to the phosphofructokinase family. This form of PFK is best called the 'platelet' type and symbolized PFKP because it is the only form made by platelets, whereas fibroblasts have more than one form of PFK (Franke (1983)). PFK catalyzes the irreversible conversion of fructose-6-phosphate to fructose-1,6-bisphosphate and is a key regulatory enzyme in glycolysis. The observed molecular weight of PFKP monomer is 80-86 kDa. The molecular mass of PFKP dimer is 171 kDa (PMID: 28607489).

### Storage

**Storage:**

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

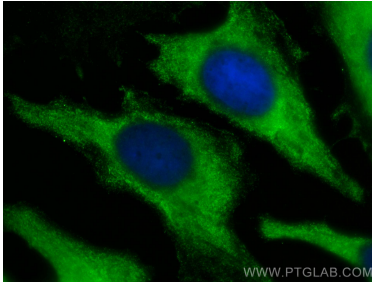
**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 488 PFKP antibody (CL488-68129, Clone: 1H4D4 ) at dilution of 1:200.