

For Research Use Only

# CoraLite® Plus 488-conjugated FDPS Monoclonal antibody



Catalog Number: CL488-67972

## Basic Information

<b>Catalog Number:</b> CL488-67972	<b>GenBank Accession Number:</b> BC010004	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2224	<b>CloneNo.:</b> 3B8A7
<b>Source:</b> Mouse	<b>Full Name:</b> farnesyl diphosphate synthase (farnesyl pyrophosphate synthetase, dimethylallyltranstransferase, geranyltranstransferase)	<b>Recommended Dilutions:</b> WB 1:1000-1:8000
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 419 aa, 48 kDa	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG9247	<b>Observed MW:</b> 38-39 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra), WB	<b>Positive Controls:</b> WB : HeLa cells, Jurkat cells
<b>Species Specificity:</b> Human	

## Background Information

FPPS (also known as FDPS) is a key enzyme in isoprenoid biosynthesis which catalyzes the formation of farnesyl diphosphate (FPP), a precursor for several classes of essential metabolites including sterols, dolichols, carotenoids, and ubiquinones. The expression of FPPS was elevated in prostate tumor cell lines, indicating its potential role in prostate cancer progression.

## Storage

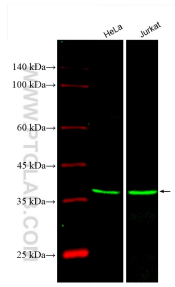
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

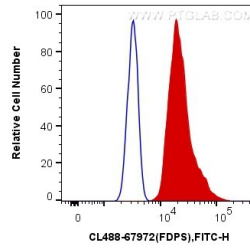
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL488-67972 (FDPS antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human FDPS (CL488-67972, Clone:3B8A7) (red), or 0.4 ug Mouse IgG2b Isotype Control (CL488-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).