

For Research Use Only

# CoraLite®594-conjugated PSMA/GCPII Monoclonal antibody



Catalog Number:CL594-66678

## Basic Information

<b>Catalog Number:</b> CL594-66678	<b>GenBank Accession Number:</b> BC025672	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2346	<b>CloneNo.:</b> 3G4E12
<b>Source:</b> Mouse	<b>Full Name:</b> folate hydrolase (prostate-specific membrane antigen) 1	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 719 aa, 81 kDa	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG16594	<b>Observed MW:</b> 100-120 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra), IF	<b>Positive Controls:</b> IF : PC-3 cells, human prostate cancer tissue
<b>Species Specificity:</b> Human, Rat	

## Background Information

PSMA(Prostate-specific membrane antigen) is also named as FOLH1, FOLH, NAALAD1, PSM and belongs to the peptidase M28 family. PSMA is a 100-120 kDa integral transmembrane glycoprotein, considered to be a highly specific marker of the prostate gland, and has successfully been used as a marker of circulating prostatic epithelial cells(PMID:10074909; 15680901). It is involved in conversion of the major neurotransmitter (NAA/G) to NAA and free glutamate. It has 8 isoforms produced by alternative splicing.

## Storage

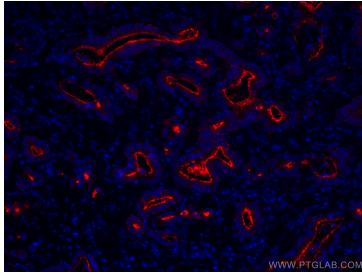
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

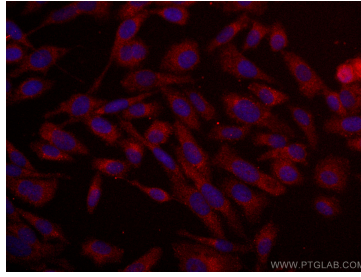
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

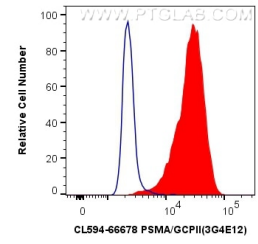
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human prostate cancer tissue using CoraLite®594 PSMA/GCPII antibody (CL594-66678, Clone: 3G4E12 ) at dilution of 1:200.



Immunofluorescent analysis of (-20°C Methanol) fixed PC-3 cells using CoraLite®594 PSMA/GCPII antibody (CL594-66678, Clone: 3G4E12 ) at dilution of 1:200.



1X10<sup>6</sup> LNCaP cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human PSMA/GCPII (CL594-66678, Clone:3G4E12) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).