For Research Use Only

# CoraLite®594-conjugated PSMA/GCPII Monoclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:CL594-66678

## Basic Information

Catalog Number:
CL594-66678

Size:
1000 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG16594

GenBank Accession Number:
BC025672

GeneID (NCBI):
2346

UNIPROT ID:
Q04609

Full Name:
folate hydrolase (prostate-specific membrane antigen) 1

Calculated MW:
719 aa, 81 kDa

Observed MW:
100-120 kDa

Purification Method:
Protein G purification

CloneNo.:
3G4E12

Recommended Dilutions:
IF-P 1:50-1:500
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

## Applications

Tested Applications:
IF/ICC, IF-P

Species Specificity:
human, rat

Positive Controls:

IF-P : human prostate cancer tissue,

IF/ICC : PC-3 cells, human prostate cancer tissue

## Background Information

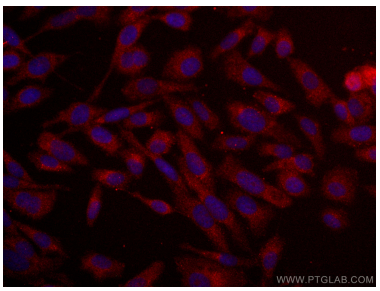
PSMA(Prostate-specific membrane antigen) is also named as FOLH1, FOLH, NAALAD1, PSM and belongs to the peptidase M28 family. PSMA is a 100-120 kDa integral transmembrane glycoprotein, considered to be a highly specific marker of the prostate gland, and has successfully been used as a marker of circulating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

## Storage

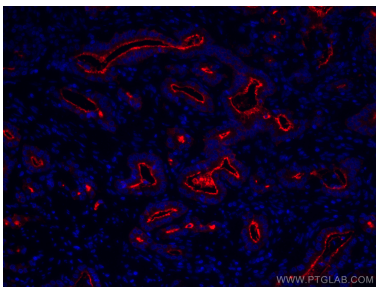
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

## Selected Validation Data




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.




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.