

For Research Use Only

# PSMA7 Monoclonal antibody, PBS Only

Catalog Number: 67817-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

67817-1-PBS

**Size:**

100ug, Concentration: 1mg/ml by Nanodrop;

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG7821

**GenBank Accession Number:**

BC004427

**GeneID (NCBI):**

5688

**UNIPROT ID:**

O14818

**Full Name:**

proteasome (prosome, macropain) subunit, alpha type, 7

**Calculated MW:**

28 kDa

**Observed MW:**

28-30 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1F2C6

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, FC (Intra), Indirect ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

PSMA7 (Proteasome subunit alpha type-7) is also named HSPC and belongs to the peptidase T1A family. It is an  $\alpha$ -type subunit of the 20S proteasome core complex and participates in degrading proteins through the ubiquitin-proteasome pathway (UPP) which plays an important role in the regulation of cell proliferation or cell cycle control, transcriptional regulation, immune and stress response, cell differentiation, and apoptosis (PMID: 19442227).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

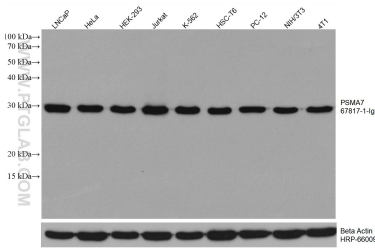
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

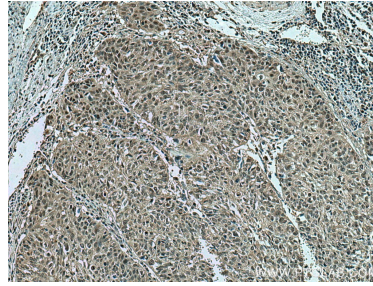
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

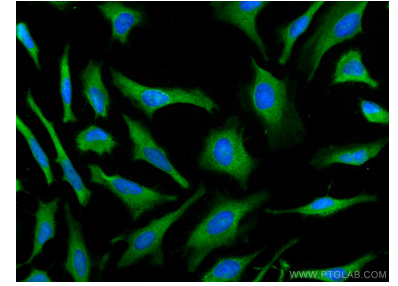
## Selected Validation Data



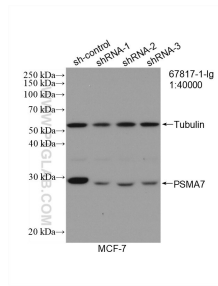
Various lysates were subjected to SDS PAGE followed by western blot with 67817-1-Ig (PSMA7 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 67817-1-PBS in a different storage buffer formulation.



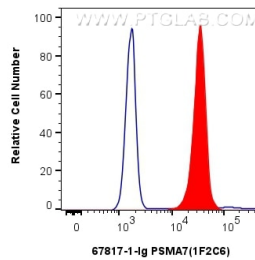
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 67817-1-Ig (PSMA7 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67817-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using PSMA7 antibody (67817-1-Ig, Clone: 1F2C6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67817-1-PBS in a different storage buffer formulation.



WB result of PSMA7 antibody (67817-1-Ig; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PSMA7 transfected MCF-7 cells. This data was developed using the same antibody clone with 67817-1-PBS in a different storage buffer formulation.



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug PSMA7 Monoclonal antibody (67817-1-Ig, Clone:1F2C6) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.4 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 67817-1-PBS in a different storage buffer formulation.

