

For Research Use Only

CoraLite® Plus 488-conjugated PSMA/GCPII Recombinant monoclonal antibody

Catalog Number:**CL488-84615-2**



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-84615-2	NM_004476.3	Protein A purification
Size:	GenID (NCBI):	CloneNo.:
1000ul , Concentration: 1000 ug/ml by Nanodrop;	2346	242026F4
Source:	UNIPROT ID:	Recommended Dilutions:
Rabbit	Q04609	IF/ICC: 1:50-1:500
Isotype:	Full Name:	Excitation/Emission maxima
IgG	folate hydrolase (prostate-specific membrane antigen) 1	wavelengths:
Immunogen Catalog Number:	Calculated MW:	493 nm / 522 nm
EG0216	84KD	
	Observed MW:	
	100 kDa	

Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC : LNCaP cells,
Species Specificity:	
human	

Background Information

Prostate-specific membrane antigen (PSMA), also known as glutamate carboxypeptidase II (GCPII), is a type II transmembrane glycoprotein that has gained significant attention in the field of prostate cancer (PCa) diagnostics and therapeutics. PSMA is highly overexpressed in prostate cancer tissue, especially in aggressive, androgen-deprived, metastatic, and hormone-refractory prostate cancers. Up to 95% of prostate adenocarcinomas express PSMA receptors on their surface. Physiological expression of PSMA is observed in normal prostate epithelium, duodenum, colon, renal tubules, and sympathetic ganglia. It is also found in other tissues such as the salivary glands, lacrimal glands, and various parts of the gastrointestinal tract, though at lower levels.

Storage

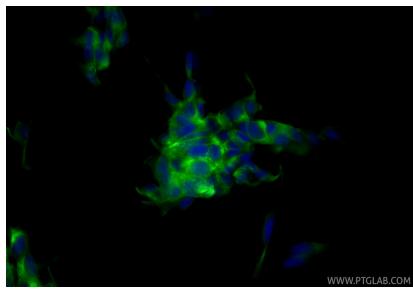
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

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 LNCaP cells using CoraLite® Plus 488 PSMA/GCPII antibody (CL488-84615-2, Clone: 242026F4) at dilution of 1:200.