abcam

ab66912

Anti-PSMA antibody [GCP-05]

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	pH: 7.4 Preservative: 0.097% Sodium azide Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Fragment Protein within Human FOLH1 aa 1-750. The exact immunogen used to generate this antibody is proprietary information. Database link Q04609
Clone number	GCP-05
Purification technique	Affinity purification Protein A
Epitope	This antibody recognizes the extracellular domain of PSMA.
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	Purity: > 95%Purified from TCS

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	1-4 µg/mL

Notes	ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target data

See full target information FOLH1

Function	Has both folate hydrolase and N-acetylated-alpha-linked-acidic dipeptidase (NAALADase) activity. Has a preference for tri-alpha-glutamate peptides. In the intestine, required for the uptake of folate. In the brain, modulates excitatory neurotransmission through the hydrolysis of the neuropeptide, N-aceylaspartylglutamate (NAAG), thereby releasing glutamate. Involved in prostate tumor progression. Also exhibits a dipeptidyl-peptidase IV type activity. In vitro, cleaves Gly-Pro-AMC.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

This product was changed from ascites to tissue culture supernatant on 24th January 2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

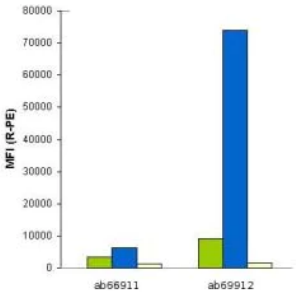
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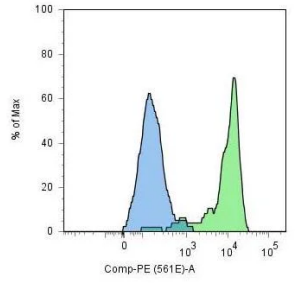
2 product images



Flow Cytometry - Anti-PSMA antibody [GCP-05] (ab66912)

PSMA Flow Cytometry staining using mouse Anti-PSMA antibody

This image shows LNCaP cell line stained by ab66911 and ab66912. Green column - antibodies at 1µg/ml; Blue column - antibodies at 5µg/ml; Yellow column - negative cell line.



Flow Cytometry - Anti-PSMA antibody [GCP-05] (ab66912)

PSMA Flow Cytometry staining using mouse Anti-PSMA antibody

Flow cytometry analysis of PSMA positive LNCaP cells stained with ab66912 (green) and PSMA negative HeLa cells (blue)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.