

# Anti-PSMA (1A11) mouse

**Catalogue number:** 157667

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:**

**Institute:** Institute of Biotechnology CAS

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-PSMA (1A11) mouse

**Alternate name:** Glutamate carboxypeptidase II; NAALADase; FOLH1; PSMA; Folate Hydrolase 1; N-Acetylated Alpha-Linked Acidic Dipeptidase 1; Prostate Specific Membrane Antigen; ;PSMA; GCP II

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** GCP II reveals glutamate carboxypeptidase activity that is responsible for uptake of folate by intestine, moreover, it participates on regulation of neurotransmission via hydrolysis of the neuropeptide N-acetyl-aspartyl-glutamate in central nervous system. GCP II is expressed in several tissues including prostate epithelium, kidney, small intestine and nervous system. Disregulation of GCP II activity could be connected with hyperhomocysteinemia and various neuro-pathological conditions including glutamate excitotoxicity. GCP II stays as a leading biomarker of prostate cancer due to huge upregulation of its expression in tumor tissue.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG1 kappa

**Reactivity:** Human

**Selectivity:**

**Host:** Mouse

**Immunogen:** human GCP II extracellular domain

**Immunogen UNIPROT ID:** Q04609

**Sequence:**

**Growth properties:**

**Production details:**  
**Formulation:**  
**Recommended controls:**  
**Bacterial resistance:**  
**Selectable markers:**  
**Additional notes:**

## Target details

**Target:** human glutamate carboxypeptidase II (amino acids 21-288)

**Target alternate names:**

**Target background:** GCP II reveals glutamate carboxypeptidase activity that is responsible for uptake of folate by intestine, moreover, it participates on regulation of neurotransmission via hydrolysis of the neuropeptide N-acetyl-aspartyl-glutamate in central nervous system. GCP II is expressed in several tissues including prostate epithelium, kidney, small intestine and nervous system. Disregulation of GCP II activity could be connected with hyperhomocysteinemia and various neuro-pathological conditions including glutamate excitotoxicity. GCP II stays as a leading biomarker of prostate cancer due to huge upregulation of its expression in tumor tissue.

**Molecular weight:**

**Ic50:**

## Applications

**Application:** ELISA ; IHC ; WB

**Application notes:**

## Handling

**Format:** Liquid  
**Concentration:**  
**Passage number:**  
**Growth medium:**  
**Temperature:**  
**Atmosphere:**  
**Volume:**  
**Storage medium:**  
**Storage buffer:**  
**Storage conditions:**  
**Shipping conditions:** Shipping at 4° C

## Related tools

Related tools:

## References

References:

CancerTools.org