

Mouse Monoclonal Antibody to PSMA

Catalogue Number	sAP-1729
Target Molecule	<p>Name: PSMA</p> <p>Aliases: FOLH1; PSM; FGCP; FOLH; GCP2; mGCP; GCP11; NAALAD1; NAALAdase</p> <p>MW: 84.3kDa</p> <p>Entrez Gene ID: 2346</p>
Description	<p>This gene encodes a type II transmembrane glycoprotein belonging to the M28 peptidase family. The protein acts as a glutamate carboxypeptidase on different alternative substrates, including the nutrient folate and the neuropeptide N-acetyl-L-aspartyl-L-glutamate and is expressed in a number of tissues such as prostate, central and peripheral nervous system and kidney. A mutation in this gene may be associated with impaired intestinal absorption of dietary folates, resulting in low blood folate levels and consequent hyperhomocysteinemia. Expression of this protein in the brain may be involved in a number of pathological conditions associated with glutamate excitotoxicity. In the prostate the protein is up-regulated in cancerous cells and is used as an effective diagnostic and prognostic indicator of prostate cancer. This gene likely</p>
Immunogen	Purified recombinant fragment of human PSMA (AA: extra 44-177) expressed in E. Coli.
Recombinant Species	Human;
Clone	MM2D10E10
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: N to A; FCM: 1 to 200 - 1 to 400; IHC: N to A
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Med Oncol. 2014 Mar;31(3):857. 2.Int J Oncol. 2014 Mar;44(3):918-22.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**