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32-6204: Mouse Anti Human Prostate Specific Cancer Antigen(Clone:Pk1H7AT.)

Clonality :	Monoclonal
Clone Name :	Pk1H7AT.
Application :	ELISA,WB
Gene :	FOLH1
Gene ID :	2346
Uniprot ID :	Q04609
Format :	Purified
Alternative Name :	PSMA,Prostate Specific Cancer Antigen,PSM,FGCP,FOLH,GCP2,mGCP,GCPII,NAALAD1,NAALAdase,FOLH1,Glutamate carboxypeptidase 2,Glutamate carboxypeptidase II,Membrane glutamate carboxypeptidase,N-acetylated-alpha-linked acidic dipeptidase I,P
Isotype :	Mouse IgG1 heavy chain and ? light chain.
Immunogen Information :	Anti-human PSMA mAb is derived from hybridization of mouse FO myeloma cells with spleen cells from BALB/c mice immunized with recombinant human PSMA amino acids 117-351 purified from E. coli.

Description

PSMA is a cancer antigen that is widely expressed as a noncovalent homodimer on the surface of prostate cancer cells, rather than on normal cells, therefore it is an interesting target to image prostate tissues when being used with radioactive antibodies. PSMA is expressed on the surface of novel blood vessels that nourish a broad range of other solid tumors. PSMA is a type II membrane protein with folate hydrolase activity produced by prostatic epithelium. PSMA expression is found in extraprostatic tissues, including small bowel and brain.

Product Info

Amount :	20 µg
Purification :	PSMA antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

PSMA antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1,000~ 2,000. Recommended starting dilution is 1:1,000.