

PSMA Monoclonal Antibody (1H8H5)

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	1H8H5
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from the C-terminal region of the human PSMA.
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533315

Applications	Tested Dilution	Publications
Western Blot (WB)	2 µg/mL	1 Publication
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	2 µg/mL	-
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	-	1 Publication

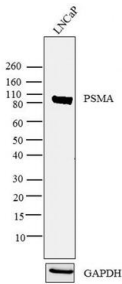
Product Images For PSMA Monoclonal Antibody (1H8H5)

PSMA Antibody (37-3900) in ICC/IF

Immunofluorescence analysis of PSMA was performed using 70% confluent log phase LNCaP cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with PSMA (1H8H5) Mouse Monoclonal Antibody (Product # 37-3900) at 2 µg/mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic localization. Panel e shows the no primary antibody control. The images were captured at 60X magnification.

PSMA Antibody (37-3900) in WB

Western blot analysis was performed on membrane enriched cell extract of LNCaP. The blot was probed with Anti- PSMA Mouse Monoclonal Antibody (Product # 37-3900, 2 µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal Secondary Antibody, HRP conjugate (Product # A28177, 0.4 µg/mL, 1:2500 dilution). Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



Western Blot (1)

<p>Molecular and cellular biology</p> <p>Prostate-specific membrane antigen regulates angiogenesis by modulating integrin signal transduction.</p> <p>Authors: Conway RE,Petrovic N,Li Z,Heston W,Wu D,Shapiro LH</p>	<p>Year 2006</p> <p>Species Human</p>
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Immunohistochemistry (1)

<p>Molecular and cellular biology</p> <p>Prostate-specific membrane antigen regulates angiogenesis by modulating integrin signal transduction.</p> <p>Authors: Conway RE,Petrovic N,Li Z,Heston W,Wu D,Shapiro LH</p>	<p>Year 2006</p> <p>Species Human</p>
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Immunoprecipitation (1)

<p>Molecular and cellular biology</p> <p>Prostate-specific membrane antigen regulates angiogenesis by modulating integrin signal transduction.</p> <p>Authors: Conway RE,Petrovic N,Li Z,Heston W,Wu D,Shapiro LH</p>	<p>Year 2006</p> <p>Species Human</p>
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