

## Product datasheet for **AM09259PU-N**

### MSMB Mouse Monoclonal Antibody [Clone ID: YPSP-4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	YPSP-4
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>Immunostaining.</b> <b>Western Blot.</b> <b>ELISA.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Highly purified PSP
Specificity:	Reactive with Prostate Secretory Protein (PSP) or Human prostate epithelial cells. <b>Does not</b> react with a variety of Human normal tissues.
Formulation:	0.01M PBS, pH 7.2 without preservatives State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with Double distilled water to adjust the final concentration to 1.0 mg/ml.
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	microseminoprotein, beta-
Database Link:	<a href="#">Entrez Gene 4477 Human P08118</a>



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**Background:**

An abundant constituent of the human seminal plasma is a 14-kD protein of prostate origin known as beta-microseminoprotein, prostatic secretory protein (PRPS), Prostate secretory protein (PSP), or PSP94. It is a product of a single gene transcribed in the prostate but not in the testis. Specific receptors for this protein are found on spermatozoa and in the prostate. Prostate secretory protein (PSP) is one of the major secreted proteins found in the seminal fluid. PSP is also known as  $\beta$ -microseminoprotein or prostatic inhibin-like protein. The protein was proposed as a marker for prostate cancer, but was found to possess inhibitory effects to a prostate cancer cell line PC3 in a hormone independent manner, suggesting that it may have an anti-prostate tumour feature.

**Synonyms:**

Beta-microseminoprotein, PRSP, PSP-94, PN44, IGBF, Immunoglobulin-binding factor, Seminal plasma beta-inhibin

**Protein Families:**

Secreted Protein, Transmembrane