



## RayBiotech, Inc.

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### Certificate of Analysis and Data Sheet

## MOUSE ANTI HUMAN PROSTATE SPECIFIC ANTIGEN

### (Detection, Pair Antibody)

### With HRP-conjugated Secondary Antibody

Catalog No.	Species	Isotype
DS-MB-02172	Human	IgG1

### Preparation

**Preparation** Purified IgG prepared by affinity chromatography on Protein A

**Immunogen** Purified prostate specific antigen

### Specificity

DS-MB-02172 is specific for prostate specific antigen (PSA) (detection), a 34 kDa member of the Kallikrein subfamily that is secreted in seminal plasma. PSA hydrolyses the seminal vesicle protein, semenogelin-1, which causes the liquefaction of the seminal coagulum. Tumour cell migration is promoted by PSA, furthering the progression of prostate cancer. Latent TGFbeta2 is activated in a process involving PSA, which may contribute to the formation of osteoblastic lesions in bone metastatic prostate cancer. Serum levels of PSA are important in the diagnosis and monitoring of prostatic carcinoma. In addition, levels of PSA in nipple aspirate fluid maybe useful in breast cancer detection.

**This antibody can be used in conjunction with DS-MB-02173 in Sandwich ELISA.**

### Formulation

**Product Type:** Monoclonal Antibody

**Product Form:** Purified IgG - liquid

**Buffer Solution:** Phosphate buffered saline pH7.4

**Preservative Stabilisers:** 0.09% Sodium Azide (NaN<sub>3</sub>)

**Approx. Protein Concentrations:** IgG concentration 1.0mg/ml

### Storage

18 months from date of despatch

**Storage:** Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.

**Avoid repeated freezing and thawing as this may denature the antibody.**

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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### Applications

Table Summary of antibody applications and working conditions

<b>Options Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
ELISA	.			
Western Blotting			.	
Immunohistology - frozen			.	
Immunohistology - paraffin			.	
Immunohistology - resin			.	
Immunoprecipitation			.	
Flow Cytometry			.	
Immunofluorescence staining			.	
Neutralization			.	

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

### Secondary Antibody Applications

<b>Options Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
Immunoassay (ELISA, Western blot)	.			1:5000-1:10000

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