



# DataSheet

**CATALOGUE #:** 4P33

**PRODUCT NAME:** Monoclonal mouse anti-prostate specific antigen (PSA)

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**MAbs:** 2H9, 5A6, 8A6, 5G6, PS1, PS2, 1H12

Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with human PSA antigen purified from seminal plasma.

**Specificity:**

MAb	Specificity in ELISA	Cross-reactivity with human kallikrein 2
8A6	free PSA, epitope 1	0.00
PS1	free PSA, epitope 1	0.00
2H9	equimolar total PSA, epitope 3.	50%
PS2	equimolar total PSA, epitope 3.	100%
1H12	Total PSA, epitope 4	No data available
5G6	Total PSA, epitope 4	0.00
5A6	equimolar total PSA, epitope 5	0.00

**MAb isotypes:** **IgG1** for MAbs 5G6, 5A6, PS2, PS1

**IgG2a** for MAbs 2H9, 8A6, 1H12

**Applications:** Detection of PSA antigen. Recommended pairs for detection of total PSA (capture-detection): 5A6-2H9, 5G6 – 5A6. Best pair: 1H12 – 5A6

Recommended pairs for detection of free PSA (capture-detection):

5A6-8A6, 2H9-8A6, PS2-PS1, PS1-PS2. Best pair: 8A6 – 5A6

MAbs can also be used in lateral flow.

**Purification:** MAbs PS1 and PS2 by ion exchange chromatography and other MAbs by chromatography on protein A Sepharose.

**Presentation:** MAbs 2H9, 5A6, 8A6, 5G6 and 1H12 in PBS, pH 7.4, 0.09 % sodium azide (NaN<sub>3</sub>).

MAbs PS1 and PS2 in 0.15 M NaCl, 10 mM Tris, pH 7.5, 0.05 % of sodium azide (NaN<sub>3</sub>).

**Storage:** +4 °C (+2 ... +8 °C allowed)

**Material safety note:** This product is sold **for research use only**. Standard Laboratory Practices should be followed when handling this material.

Product contains sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.

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