



DataSheet

CATALOGUE #: 4P33

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

MAbs *in vitro*: 8A6cc, 1H12cc, 5A6cc

Mouse monoclonal antibody produced in bioreactor. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

MAbs *in vivo*: PS2

Mouse monoclonal antibody produced in ascites. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

Immunogen: Human PSA antigen purified from seminal plasma.

Specificity:

MAb	Specificity in ELISA	Cross-reactivity with human kallikrein 2
8A6cc	free PSA, epitope 1	0.00
PS2	equimolar total PSA, epitope 3.	100%
1H12cc	Total PSA, epitope 4	No data available
5A6cc	equimolar total PSA, epitope 5	0.00

MAb isotypes: IgG1 for 5A6cc, PS2, 1H12cc

IgG2a for 8A6cc

Applications: Detection of PSA antigen.

Recommended pair for detection of total PSA (capture-detection): 1H12cc – 5A6cc

Recommended pairs for detection of free PSA (capture-detection): 8A6cc – 5A6cc, 5A6cc – 8A6cc

MAbs can also be used in lateral flow.

Purification: Protein A chromatography for 8A6cc, 5A6cc, 1H12cc

Ion exchange chromatography for PS2

Presentation: PBS, pH 7.4, 0.09 % sodium azide (NaN₃) for 8A6cc, 5A6cc, 1H12cc

0.15 M NaCl, 10 mM Tris, pH 7.5, 0.05 % of sodium azide (NaN₃) for PS2

Storage: +4 °C (+2 ... +8 °C allowed)

Material safety note: This product is sold **for research or further manufacturing 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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