

Product Datasheet

Anti-h PSA 8301 SPRN-5 100102

Product Name	Anti-h PSA 8301 SPRN-5
Catalog Number	100102
Description	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
Tested Applications	FIA
Brand	Medix Biochemica
Form/Appearance	Liquid, may turn slightly opaque during storage
Concentration	5.0 mg/ml (+/- 10 %)
Storage	+2-8°C
Note	Clone 8301 reacts with non-reduced and reduced intact PSA but not with reduced PSA fragments (Rye et al., 1999). In the same study affinities for free-PSA and PSA-ACT-complex were, 9.0×10^{-9} mol/l and 5.2×10^{-9} , respectively. They also noted that antibodies binding to epitope group 3a form a good pair with antibodies from groups 1, 5a, 5c and 6. Clone 8301 does not cross-react with human kallikrein-2 (Black, 1999b).
Isotype	IgG1
Clonality	Monoclonal
Epitope	Residues 158-163, group 3 as described in Rye et al. (1999)
Purity	≥ 95 %
Affinity constant	$K_A = 1 \times 10^{11}$ 1/M
Associated Products	Native PSA antigen, Medix Biochemica 497-11 and native PSA-ACT complex, Medix Biochemica 498-11.
Buffer	37 mM citrate, 125 mM phosphate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
IEF Profile	6.5-7.2
Cross Reactivity	PSA/ α 1-ACT complex 59 %, Kallikrein < 0.04 %, PAP < 0.04 %
Specificity	Antibody recognizes human prostate-specific antigen
Shelf Life	36 months

References

Black, M.H., Grass, C.L., Leinonen, J., Stenman, U-H. and Diamandis, E.P., (1999a) Characterization of monoclonal antibodies for prostate-specific antigen and development of highly sensitive free prostate-specific antigen assays. *Clin. Chem.*, 45(3):347-354

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Rye, P.D., Borner, O.P. and Paus, E. (guest editors) (1999), ISOBM TD-3 International Workshop on monoclonal antibodies against prostate-specific antigen. *Tumor Biol.*, 20(suppl 1):1-94