Medix Biochemica

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Product Datasheet

Anti-h PSA 8312 SPRN-5 100139

Product Name Anti-h PSA 8312 SPRN-5

Catalog Number 100139

Description

Monoclonal mouse antibody, cultured in vitro under conditions

free from animal-derived components.

Tested Applications FΙΑ

Brand Medix Biochemica

Form/AppearaLiquid, may turn slightly opaque during storage

Concentratior 5.0 mg/ml (+/- 10 %)

Storage +2-8°C

Note Clone 8312 reacts with non-reduced and reduced intact PSA as

well as with reduced PSA fragments (Rye et al., 1999). In the same study affinities for free-PSA and PSA-ACT-complex were, 7.5 x 10-9 mol/l and 1.03 x 10-10, respectively. They also noted that antibodies binding to epitope group 6 form a good pair with antibodies from groups 1 and 3. Clone 8312 crossreacts with human kallikrein-2 (Rye, 1999a). Clone 8312 was coded as 5E4 in

Rye et al. (1999).

Isotype lgG1

Clonality Monoclonal

Epitope Residues 3–11, group 6a as described in Rye et al. (1999)

Purity \geq 95 %

Affinity constant

 $KA = 3 \times 10^9 \text{ 1/M}$

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 %

NaN3 as a preservative

IEF Profile 6.3–7.0

Cross Reactivity PSA/α1-ACT complex 15 %. Does not recognize human kallikrein-2

or PAP

Specificity Antibody recognizes human prostate-specific antigen

Shelf Life 36 months

References Rye, P.D., Bormer, 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