

## Product Datasheet

### Anti-h PSA 8312 SPRN-5 100139

<b>Product Name</b>	Anti-h PSA 8312 SPRN-5
<b>Catalog Number</b>	100139
<b>Description</b>	Monoclonal mouse antibody, cultured in vitro under conditions free from animal-derived components.
<b>Tested Applications</b>	FIA
<b>Brand</b>	Medix Biochemica
<b>Form/Appearance</b>	Liquid, may turn slightly opaque during storage
<b>Concentration</b>	5.0 mg/ml (+/- 10 %)
<b>Storage</b>	+2-8°C
<b>Note</b>	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, $7.5 \times 10^{-9}$ mol/l and $1.03 \times 10^{-10}$ , 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).
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Epitope</b>	Residues 3-11, group 6a as described in Rye et al. (1999)
<b>Purity</b>	$\geq 95$ %
<b>Affinity constant</b>	$K_A = 3 \times 10^9$ 1/M
<b>Associated Products</b>	Native PSA antigen, Medix Biochemica 497-11 and native PSA-ACT complex, Medix Biochemica 498-11.
<b>Buffer</b>	37 mM citrate, 125 mM phosphate, pH 6.0, 0.9 % NaCl, 0.095 % NaN3 as a preservative
<b>IEF Profile</b>	6.3-7.0
<b>Cross Reactivity</b>	PSA/ $\alpha$ 1-ACT complex 15 %. Does not recognize human kallikrein-2 or PAP.
<b>Specificity</b>	Antibody recognizes human prostate-specific antigen
<b>Shelf Life</b>	36 months
<b>References</b>	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