

## Anti-h PSA 8301 SPRN-5

### Product overview

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<b>Catalog number</b>	100102
<b>Specificity</b>	Antibody recognizes human prostate-specific antigen
<b>Description</b>	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
<b>Product buffer solution</b>	37 mM citrate, 125 mM phosphate, pH 6.0, 0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
<b>Shelf life and storage</b>	36 months from manufacturing at 2–8 °C
<b>Subclass</b>	IgG <sub>1</sub>
<b>Analyte description</b>	Prostate-specific antigen (PSA) is a protein produced by the cells of the prostate gland. PSA is present in small quantities in the serum of healthy men, and is often elevated in the presence of prostate cancer and in other prostate disorders. A blood test to measure PSA is considered the most effective test currently available for the early detection of prostate cancer, but this effectiveness has also been questioned.

### Parameters tested on each lot

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<b>Product appearance</b>	Liquid, may turn slightly opaque during storage
<b>Product concentration</b>	5.0 mg/ml (+/- 10 %)
<b>Immunoreactivity</b>	80–120 % compared to the reference sample in an FIA test
<b>IEF Profile</b>	6.5–7.2
<b>Purity</b>	≥ 95 %

### Kinetic parameters

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<b>Association rate constant</b>	Not Determined (N/D)
<b>Dissociation rate constant</b>	N/D
<b>Affinity constant</b>	1 x 10 <sup>11</sup> 1/M
<b>Determination method</b>	Radioimmunoassay (RIA)
<b>Determination antigen</b>	PSA, Aalto (Cat AJ 3036, Lot 1133)



#### Legal disclaimer



kallikrein with no cross-reactivity from prostate-specific antigen. Clin. Chem., 45(6):790-799

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