

Anti-h PSA 8311 SPRN-1

Product overview

Catalog number	100103
Specificity	Antibody recognizes human prostate-specific antigen
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
Product buffer solution	37 mM citrate, 125 mM phosphate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	36 months from manufacturing at 2–8 °C
Subclass	IgG _{2a}
Analyte description	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

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	1.0–1.1 mg/ml
Immunoreactivity	80–120 % compared to the reference sample in an FIA test
IEF Profile	6.8–7.5
Purity	≥ 95 %

Kinetic parameters

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



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

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