



DNA Aptamer against Prostate-Specific Antigen

SKU# APT-026: DNA Aptamer against Prostate-Specific Antigen

Background

Prostate-specific antigen (PSA) is a protein produced by normal, as well as malignant, cells of the prostate gland. PSA can be found in the blood. A PSA test measures the amount of PSA in the blood to help detect prostate cancer. While higher PSA levels indicate a higher chance of prostate cancer, there is no set cutoff point that can definitively diagnose prostate cancer.

Aptamer type: DNA aptamer

Aptamer length: 40 bp

Affinity KD: 177 ±65 nM

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-026-10	Single strand DNA, lyophilized powder	10 nmol
APT-026-30	Single strand DNA, lyophilized powder	30 nmol

- Store at -20°; reagents are guaranteed stable for 12 months when properly stored.

References

Díaz-Fernández, A., et al., Focusing aptamer selection on the glycan structure of prostate-specific antigen: toward more specific detection of prostate cancer, *Biosens. Bioelectron.* 128 (2019) 83–90.