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# DNA Aptamer against Hepatitis B surface Antigen

SKU# APT-035: DNA Aptamer against Hepatitis B surface Antigen (HBsAg)

## Background

Hepatitis B surface antigen (HBsAg) is a protein found on the surface of the hepatitis B virus (HBV) that can be detected in the blood during an infection. A "positive" or "reactive" HBsAg test result means that the person is infected with hepatitis B.

**Aptamer type:** DNA aptamer

**Aptamer length:** 51 bp

**Affinity KD:**  $148.41 \pm 1.5$  nM

## Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-035-10	Single strand DNA, lyophilized powder	10 nmol
APT-035-30	Single strand DNA, lyophilized powder	30 nmol

- Store at  $-20^{\circ}$ ; reagents are guaranteed stable for 12 months when properly stored.

## References

Mirian, M., et al., Generation of HBsAg DNA aptamer using modified cell-based SELEX strategy. Molecular biology reports, 2021, 48(1), 139–146.