



DNA Aptamer against Lactate Dehydrogenase

SKU# APT-051: DNA Aptamer against Lactate Dehydrogenase

Background

Lactate dehydrogenase is an enzyme that is present in almost all body tissues. Conditions that can cause increased LDH in the blood may include liver disease, anemia, heart attack, bone fractures, muscle trauma, cancers, and infections such as encephalitis, meningitis, encephalitis, and HIV.

Aptamer type: DNA aptamer

Aptamer length: 97 bp

Affinity KD: 10.2 ± 4.7 nM

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-051-10	Single strand DNA, lyophilized powder	10 nmol
APT-051-30	Single strand DNA, lyophilized powder	30 nmol

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

References

Guo, L., et al., Identification of nucleic acid aptamers against lactate dehydrogenase via SELEX and high-throughput sequencing. Anal Bioanal Chem 2021, 413, 4427–4439.