



DNA Aptamer against *Mycobacterium tuberculosis*

SKU# APT-044: DNA Aptamer against *Mycobacterium tuberculosis*

Background

Mycobacterium tuberculosis is a species of pathogenic bacteria and the causative agent of tuberculosis (TB). Tuberculosis (TB) remains to be a major global health problem. TB-causing agent *M. tuberculosis* is transmitted by respiratory secretion aerosols originating from patients with pulmonary TB.

Aptamer type: DNA aptamer

Aptamer length: 68 bp

Affinity KD: 5.09 ± 1.43 nM

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-044-10	Single strand DNA, lyophilized powder	10 nmol
APT-044-30	Single strand DNA, lyophilized powder	30 nmol

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

References

Mozioglu, E., et al., Selection of Nucleic Acid Aptamers Specific for *Mycobacterium tuberculosis*. Applied Biochemistry and Biotechnology, 2016, 178(4), 849–864.