
DNA Aptamer against *Toxoplasma gondii*

SKU# APT-042: DNA Aptamer against *Toxoplasma gondii*

Background

Toxoplasma gondii is an intracellular parasite with cosmopolitan distribution that infects the majority of warm-blooded animals. Infection in humans can cause severe ocular, neurologic, and sometimes systemic disease, especially in immunocompromised and congenitally infected individuals. Transmission of the parasite has been demonstrated in humans by the consumption of meat, vegetables and contaminated water. For all these reasons, Food and Agriculture Organization and World Health Organization declared toxoplasmosis as a foodborne parasite infection disease of global concern.

Aptamer type: DNA aptamer

Aptamer length: 40 bp

Affinity KD: 62.7 ± 17.27 nM

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-042-10	Single strand DNA, lyophilized powder	10 nmol
APT-042-30	Single strand DNA, lyophilized powder	30 nmol

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

References

Vargas-Montes, M. et al., Enzyme-Linked Aptamer Assay (ELAA) for Detection of *Toxoplasma* ROP18 Protein in Human Serum. *Front. Cell. Infect. Microbiol.* 2019, 9:386.