



DNA Aptamer against C-reactive protein

SKU# APT-004: DNA Aptamer against C-reactive protein

Background

C-reactive protein (CRP) is an annular pentameric protein found in blood plasma, whose circulating concentrations rise in response to inflammation. It is an acute-phase protein of hepatic origin that increases following interleukin-6 secretion by macrophages and T cells.

Aptamer type: DNA aptamer

Aptamer length: 20 bp

Affinity KD: 7.7 \pm 2.7 nM

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-004-10	Single strand DNA, lyophilized powder	10 nmol
APT-004-30	Single strand DNA, lyophilized powder	30 nmol

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

References

Lai, JC, Hong, CY, Magnetic-assisted rapid aptamer selection (MARAS) for generating high-affinity DNA aptamer using rotating magnetic fields, ACS Comb. Sci. 2014, 16: 321–327.