



DNA Aptamer against Cortisol

SKU# APT-030: DNA Aptamer against Cortisol

Background

Cortisol is a hormone produced by the adrenal glands, and it affects many of the body's functions, such as stress response, and immune response. Too much cortisol can lead to Cushing's syndrome, which can cause rapid weight gain, high blood pressure, thinning bones, and mood swings. Too little cortisol can be a sign of Addison's disease, which can cause fatigue, weight loss, low blood pressure, and muscle weakness.

Aptamer type: DNA aptamer

Aptamer length: 40 bp

Affinity KD: 6.9 \pm 2.8 μ M

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-030-10	Single strand DNA, lyophilized powder	10 nmol
APT-030-30	Single strand DNA, lyophilized powder	30 nmol

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

References

Martin, J.A., et al., Tunable stringency aptamer selection and gold nanoparticle assay for detection of cortisol, Anal. Bioanal. Chem. 2014, 406: 4637–4647.