
DNA Aptamer against Interferon Gamma

SKU# APT-009: DNA Aptamer against Interferon Gamma

Background

Gamma interferon (IFN- γ) is produced primarily by T cells, NK cells, and NKT cells. It's been used in the treatment of several diseases, but it has adverse effects. IFN- γ is a cytokine that plays a key role in the immune system's defense against infection and in regulating cell-mediated immunity. IFN- γ is a major effector of immunity that induces a variety of responses, including antiviral, antimicrobial, and antitumor activity. It's also essential for Th1 immune responses and regulates T cell differentiation, activation, and survival.

Aptamer type: DNA aptamer

Aptamer length: 52 bp

Affinity KD: 38.4 pM

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-009-10	Single strand DNA, lyophilized powder	10 nmol
APT-009-30	Single strand DNA, lyophilized powder	30 nmol

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

References

Kimoto, M., et al., Generation of high-affinity DNA aptamers using an expanded genetic alphabet, Nat. Biotechnol. 31 (2013) 453–457.