



DNA Aptamer against TNFRSF9

SKU# APT-028: DNA Aptamer against TNFRSF9

Background

TNF receptor superfamily member 9 (TNFRSF9), is a member of the TNF-receptor superfamily. This receptor contributes to the clonal expansion, survival, and development of T cells. It can also induce proliferation in peripheral monocytes, enhance T cell apoptosis induced by TCR/CD3 triggered activation, and regulate CD28 co-stimulation to promote Th1 cell responses. The expression of this receptor is induced by lymphocyte activation. TRAF adaptor proteins have been shown to bind to this receptor and transduce the signals leading to activation of NF-kappaB.

Aptamer type: DNA aptamer

Aptamer length: 60 bp

Affinity KD: 2.32 nM

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-028-10	Single strand DNA, lyophilized powder	10 nmol
APT-028-30	Single strand DNA, lyophilized powder	30 nmol

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

References

Wang, J., et al., Particle display: a quantitative screening method for generating high-affinity aptamers, *Angew. Chemie – Int. Ed.* 53 (2014) 4796–4801,