



# DNA Aptamer against Concanavalin A

SKU# APT-029: DNA Aptamer against Concanavalin A

## Background

Concanavalin A (ConA) is a protein and plant lectin that binds to specific sugar structures. ConA is a tetrameric metalloprotein that binds to  $\alpha$ -d-mannopyranosyl and  $\alpha$ -d-glucopyranosyl sugar molecules. ConA activates lymphocytes, triggers anticancer immune responses, and induces apoptosis in cancer cells.

**Aptamer type:** DNA aptamer

**Aptamer length:** 80 bp

**Affinity KD:**  $3.2 \pm 0.2$  nM

## Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-029-10	Single strand DNA, lyophilized powder	10 nmol
APT-029-30	Single strand DNA, lyophilized powder	30 nmol

- Store at  $-20^{\circ}$ ; reagents are guaranteed stable for 12 months when properly stored.

## References

Gordon, C.K.L. et al., Click-particle display for base-modified aptamer discovery, ACS Chem. Biol. 2019, 14: 2652–2662.