
DNA Aptamer against Plasminogen Activator Inhibitor-1

SKU# APT-012: DNA Aptamer against Plasminogen Activator Inhibitor-1

Background

Plasminogen activator inhibitor 1 (PAI-1) is a protein that regulates the plasminogen activation system and helps prevent blood clots from dissolving too early. PAI-1 inhibits the action of plasminogen activators, which convert plasminogen into plasmin, the enzyme that breaks down blood clots. This ensures that clots only dissolve when they are no longer needed to stop bleeding.

Aptamer type: DNA aptamer

Aptamer length: 60 bp

Affinity KD: 339 pM

Kit contents

The following components are included in the Kit.

	Component	Quantity
APT-012-10	Single strand DNA, lyophilized powder	10 nmol
APT-012-30	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.