

ATW0063

Aptamer to Mouse MMP-3

Selection Information

Target for Selection: Mouse matrix metalloproteinase-3, MMP-3

Number of DNA Nucleotides: 70 (with primer regions)

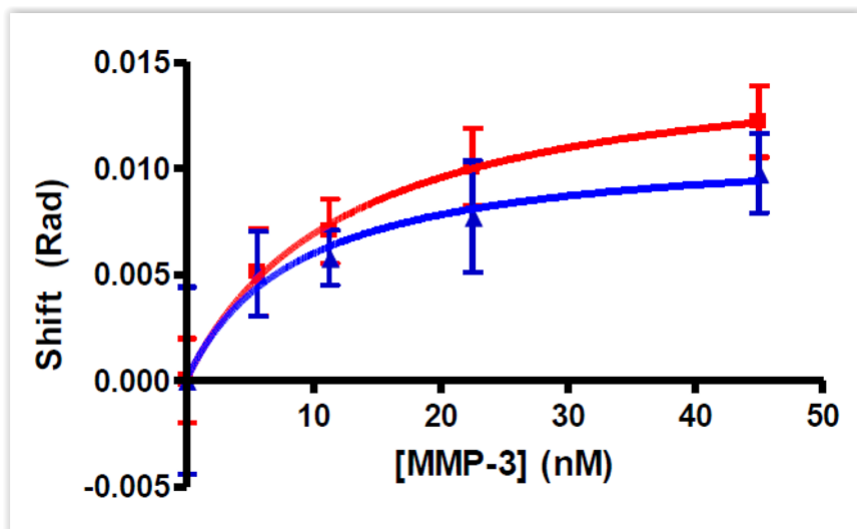
Aptamers were selected from a randomized Base Pair 70-mer DNA library against the target protein. Proprietary methods were used to select this specific aptamer sequence.

Affinity Determination

Affinity Determination Method: Back-Scattering Interferometry (BSI)

Buffer Used for Affinity Determination: 1 x PBS, 1 mM MgCl₂, in nuclease-free water, pH 7.4

Average kD: 8.8 ± 2.4 nM



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Figure 1. Aptamer-MMP-3 Binding

The BSI response is plotted versus the titrated The values are the mean values from three independent measurements.

Aptamer Folding

For optimal binding, aptamers must be folded into their tertiary structure prior to use. Dilute to 10x - 100x working concentration in Folding Buffer, heat to 90-95°C for 5 minutes, then cool to room temperature (~15 minutes)