

ATW0063

APTAMER INFORMATION

MMP-3 Aptamer 2

Description:

- *Identifiers:* MMP-3 aptamer 2 #931
- *Number of DNA nucleotides:* 70 bases
- *Target for selection:* Recombinant mouse matrix metalloproteinase 3 (MMP-3)

Aptamer was selected at Base Pair Biotechnologies from a randomized 70-mer DNA library against the target protein. Proprietary methods were then used to select the aptamer.

Aptamer folding instruction before use:

Once the aptamer is in its working concentration, it needs to be heated to 85-95 °C for 5 minutes, and then cooled to room temperature (~ 15 minutes) before use.

Validation data by Back-Scattering Interferometry (BSI):

- *Buffer used for validation:* 1X PBS, pH 7.4, 1 mM MgCl₂ in nuclease free water
- *Average K_d:* 8.8 ± 2.4 nM

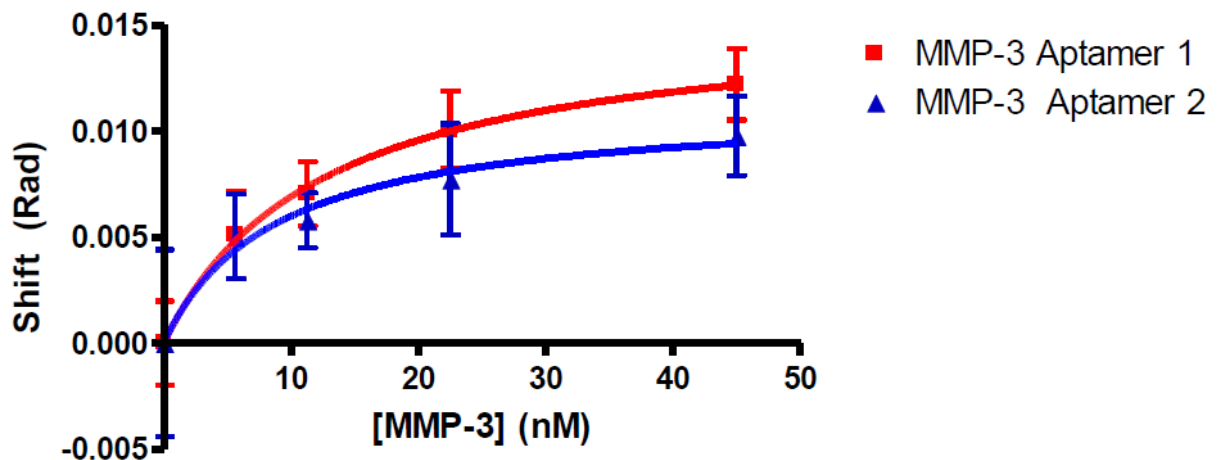


Figure 1. Aptamer-MMP-3 binding. The BSI response is plotted versus the titrated target concentration. The values are the mean values from three independent measurements.