

APTAMERS INFORMATION

NPM1-9.27/rep1

1a. Description:

- *Identifiers:* NPM1-9.27/rep1
- *Number of DNA nucleotides:* 70 bases (with primers)
- *Target for selection:* **NPM1**

Aptamers were selected from a randomized 32-mer library against the NPM1 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 85-90 °C for 2 minutes, and then cooled to room temperature before use.

1b. Validation data with NPM1 by BSI method:

- *Buffer used for validation:* 1X PBS, pH = 7.4, 1 mM MgCl₂
- *Average K_d* = 11.8 ± 6.1 nM

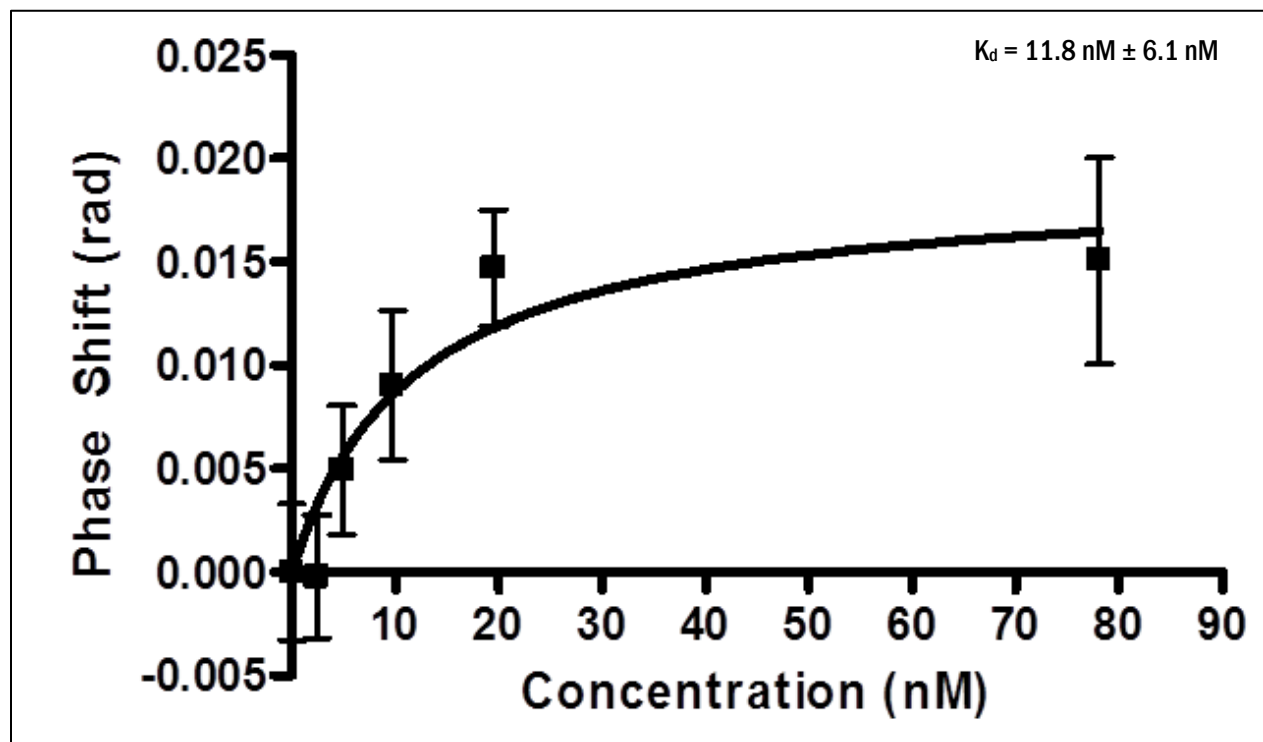


Figure 1. Aptamer-NPM1 binding. The fraction of bound aptamer is plotted versus the titrated NPM1 concentration. The values are the mean values from three independent measurements.