



ATW0006

APTAMER INFORMATION

Epirubicin

Description:

- **Identifiers:** Epirubicin #286
- **Number of DNA nucleotides:** 40 bases
- **Target for selection:** Epirubicin

Aptamer was selected at Base Pair Biotechnologies from a randomized 40-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 Microscale Thermophoresis (MST) analysis:

- **Buffer used for validation:** 20 mM Tris, 100 mM NaCl, 0.005% Tween, in nuclease free water, pH 7.4
- **Average K_d :** 711 ± 30 nM

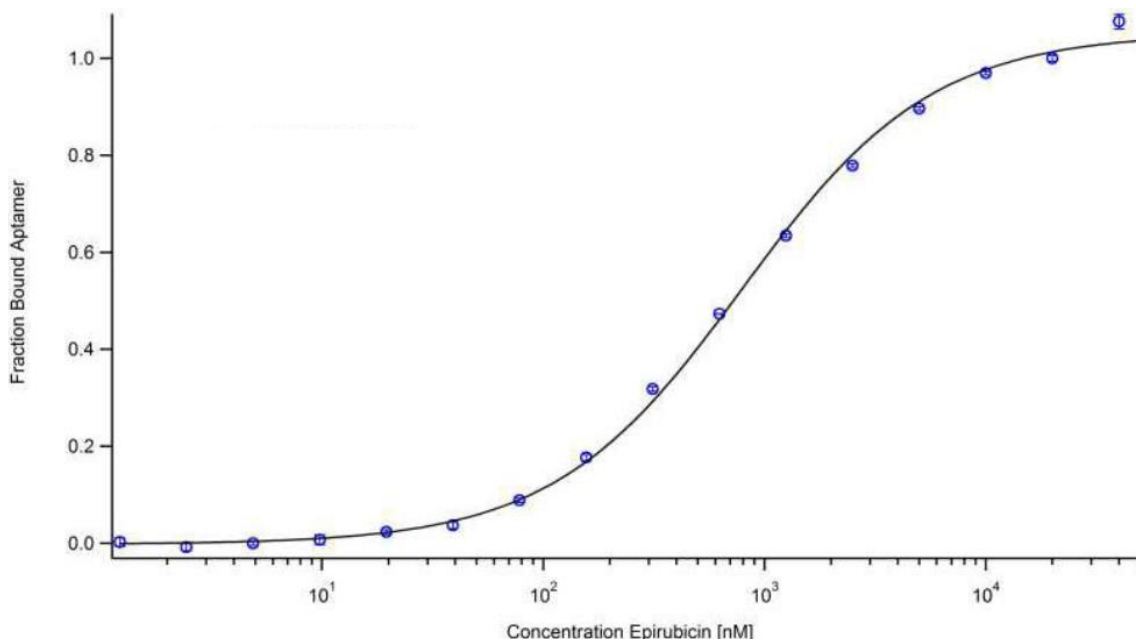


Figure 1. Aptamer-Epirubicin binding. The fraction of bound aptamer is plotted versus the titrated target concentration.

