



ATW0054

APTAMER INFORMATION

Cytokeratin19 ASFKL

Description:

- **Identifiers:** Cytokeratin 19 ASFKL
- **Number of DNA nucleotides:** 70 bases
- **Target for selection:** Recombinant Human Cytokeratin 19 (Prospec Bio Cat# pro-350)

Aptamer was selected at Base Pair from a randomized 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 with the target protein by Microscale Thermophoresis (MST) method:

- **Buffer used for validation:** 1X PBS, pH = 7.4, 1 mM MgCl₂, 0.05% Tween
- **Average K_d:** 500.1 ± 123 nM

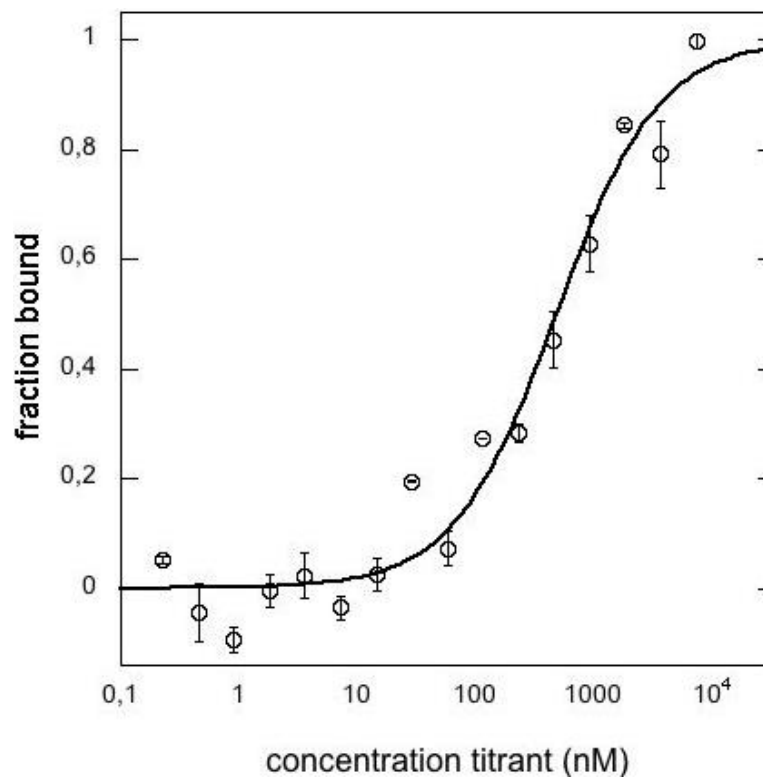


Figure 1. Aptamer-Cytokeratin 19 binding. The fraction of bound aptamer is plotted versus the titrated target concentration, R² = 0.967.