

ATW0036

APTAMER INFORMATION

INFg 1243 NP

Description:

- Identifiers: INFg 1243 NP
- Number of DNA nucleotides: 32 bases
- Target for selection: Bovine interferon- γ (GenWay Biotech Inc. Cat# GWB-0F0115)

Aptamer was selected at Base Pair Biotechnologies from a randomized 32-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: 1X PBS, pH = 7.4, 1 mM MgCl₂
- Average K_d : 33.7 \pm 6.0 nM

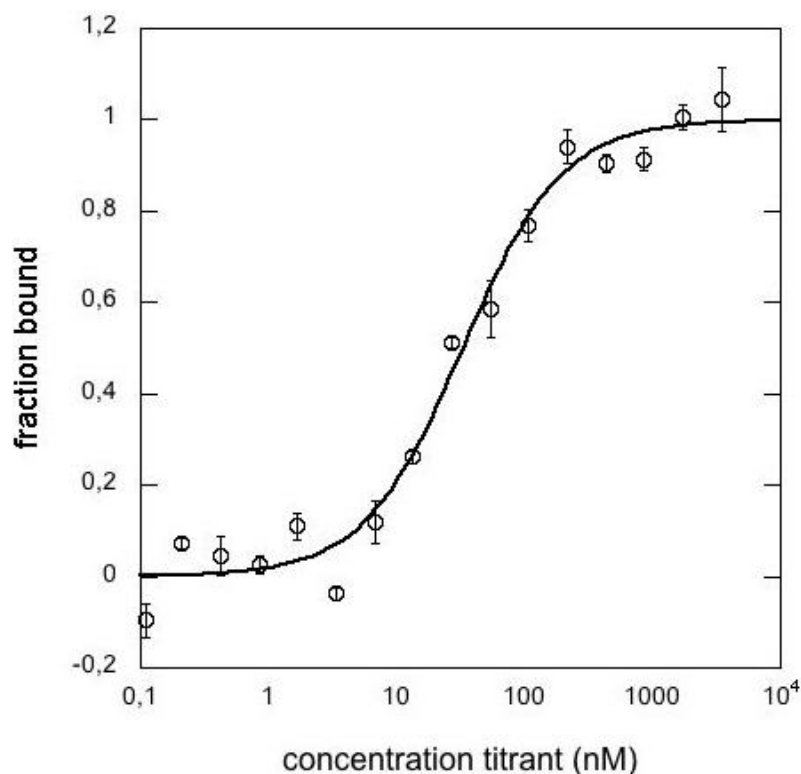


Figure 1. Aptamer-INFg binding. The fraction of bound aptamer is plotted versus the titrated target concentration, $R^2 = 0.981$.