

ATW0057

APTAMER INFORMATION

CD63 AGIFQ

Description:

- *Identifiers:* CD63 AGIFQ
- *Number of DNA nucleotides:* 32 bases
- *Target for selection:* Recombinant CD63 human protein (MyBioSource Cat# 968215)

Aptamer was selected at Base Pair Biotechnologies from a randomized 32-mer DNA library against human CD63 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, 0.05% Tween
- *Average K_d:* 78.8 ± 13.1 nM

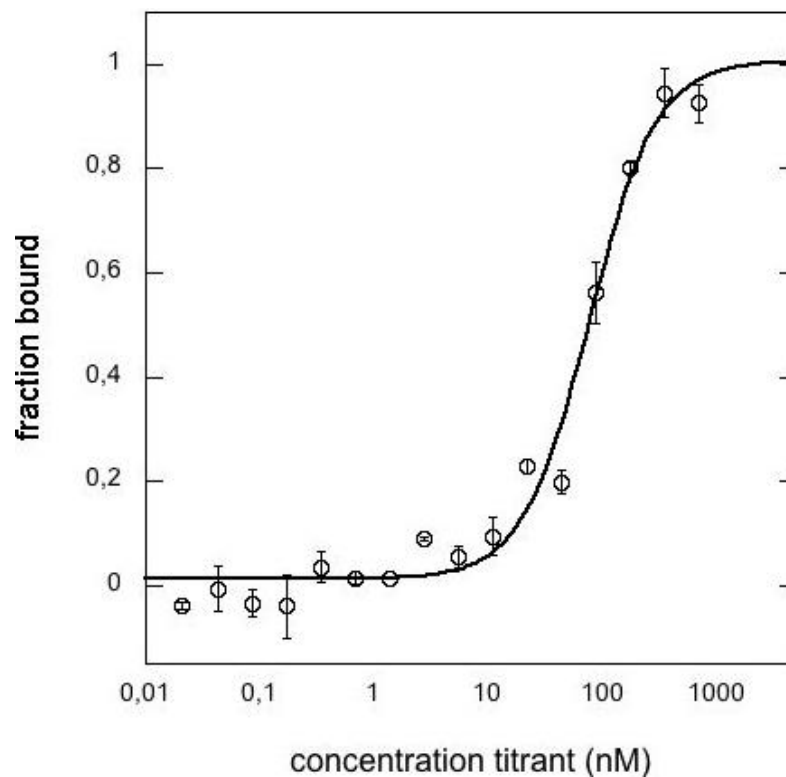


Figure 1. Aptamer-CD63 binding. The fraction of bound aptamer is plotted versus the titrated target concentration, $R^2 = 0.980$.