

APTAMER INFORMATION

CD19 human aptamer #701

1a. Description:

- Identifiers: 5Xo20:975:282 (Oligo #701)
- Number of DNA nucleotides: 32 bases
- Target for selection: Recombinant CD19 human protein, Sino Biological Inc., (Cat# 11880-H08H).

Aptamer was selected from a randomized 32-mer library against Human CD19 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 CD19 by MST (Microscale Thermophoresis) method:

- Buffer used for validation: 1X PBS, pH = 7.4, 1 mM MgCl₂
- Average K_d = 35.3 ± 10.7 nM

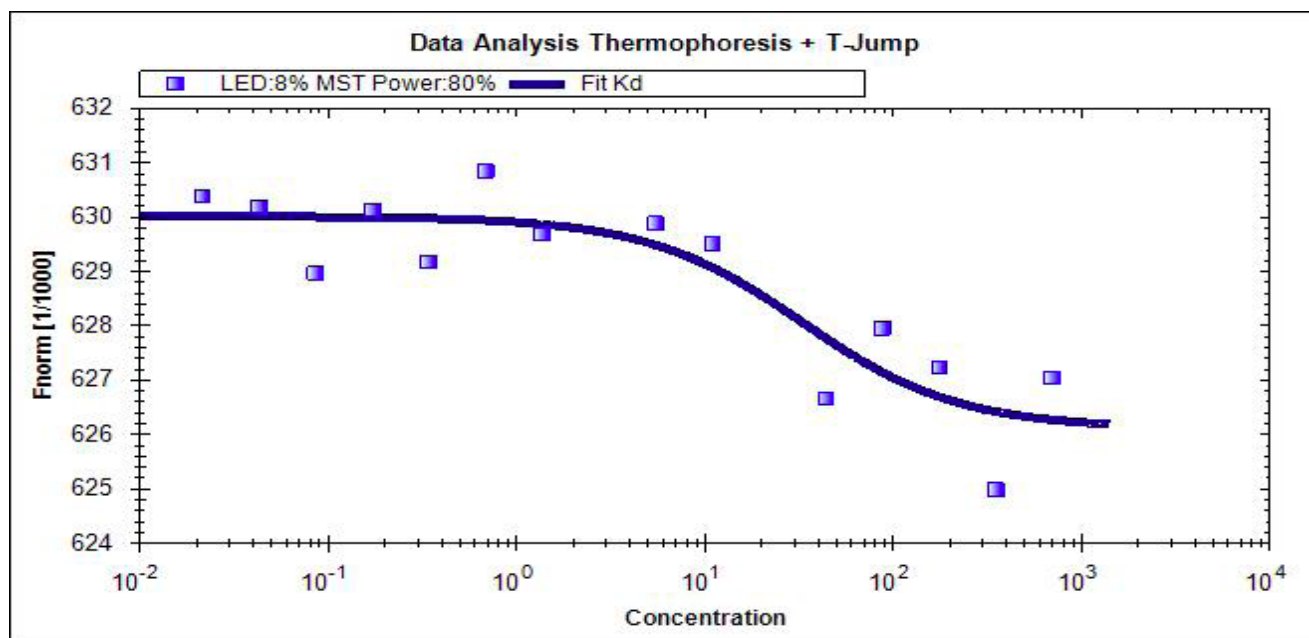


Figure 1. Aptamer-CD19 binding. The thermophoresis is plotted versus the titrated CD19 concentration.