



APTAMER INFORMATION

CMVgB_377

Description:

- *Identifiers:* CMVgB_377
- *Number of DNA nucleotides:* 32 bases
- *Target for selection:* CMV gB

Aptamer was selected from a randomized 32-mer library against the CMV gB molecule. 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 CMV gB by MST (Microscale Thermophoresis) method:

- *Buffer used for validation:* 1X PBS, pH = 7.4, 1 mM MgCl₂
- *Average K_d* = 15.1 ± 2.1 nM

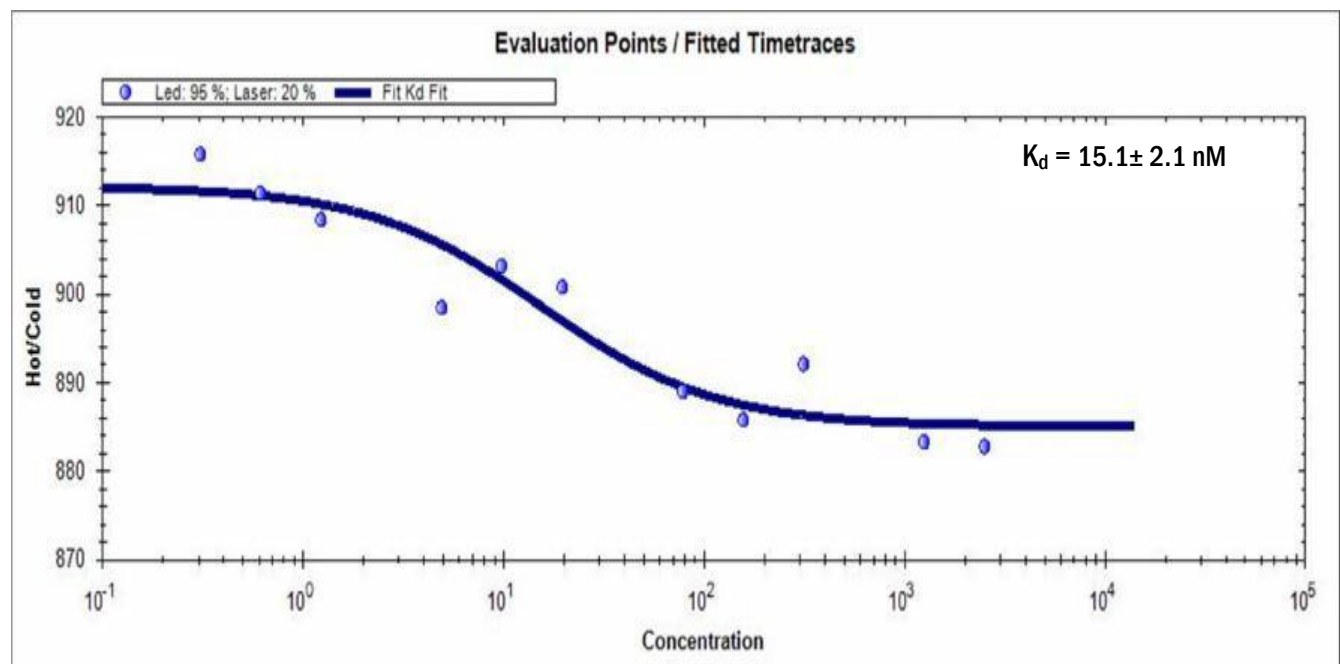


Figure 1. Aptamer-CMV gB binding. The thermophoresis is plotted versus the titrated CMV gB concentration.

