

## APTAMER INFORMATION

### CMVgB\_40

#### Description:

- *Identifiers:* CmvgB\_40
- *Number of DNA nucleotides:* 32 bases
- *Target for selection:* CMV gB

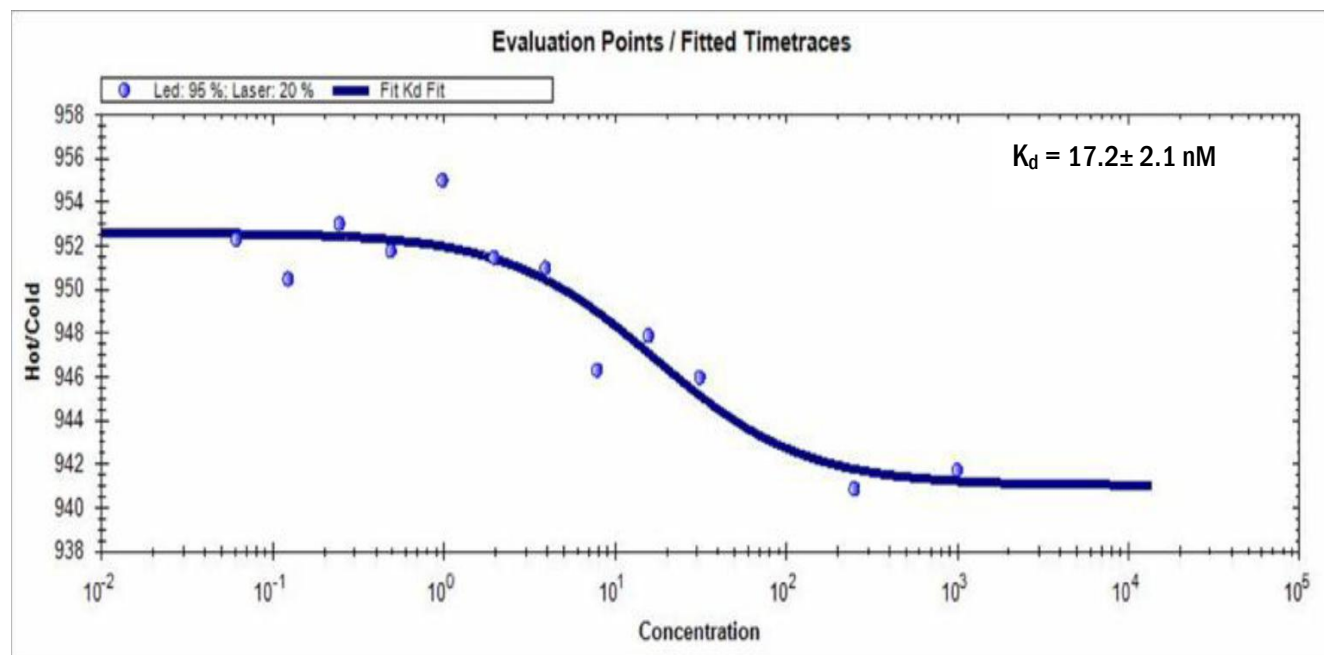
Aptamer was selected from a randomized 32-mer library against the CMV gB molecule. Proprietary methods were then used to select the aptamer.

#### 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 Peptide #3 by MST (Microscale Thermophoresis) method:

- *Buffer used for validation:* 1X PBS, pH = 7.4, 1 mM MgCl<sub>2</sub>
- *Average  $K_d$  = 17.2 ± 2.1 nM*



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