

## APTAMER INFORMATION

### IgG Fc C02 aptamer #369

#### 1a. Description:

- *Identifiers:* C02 (Oligo# 369)
- *Number of DNA nucleotides:* 40 bases
- *Target for selection:* Immunoglobulin G protein, Athens Research (Cat #16-16-090707-FC)

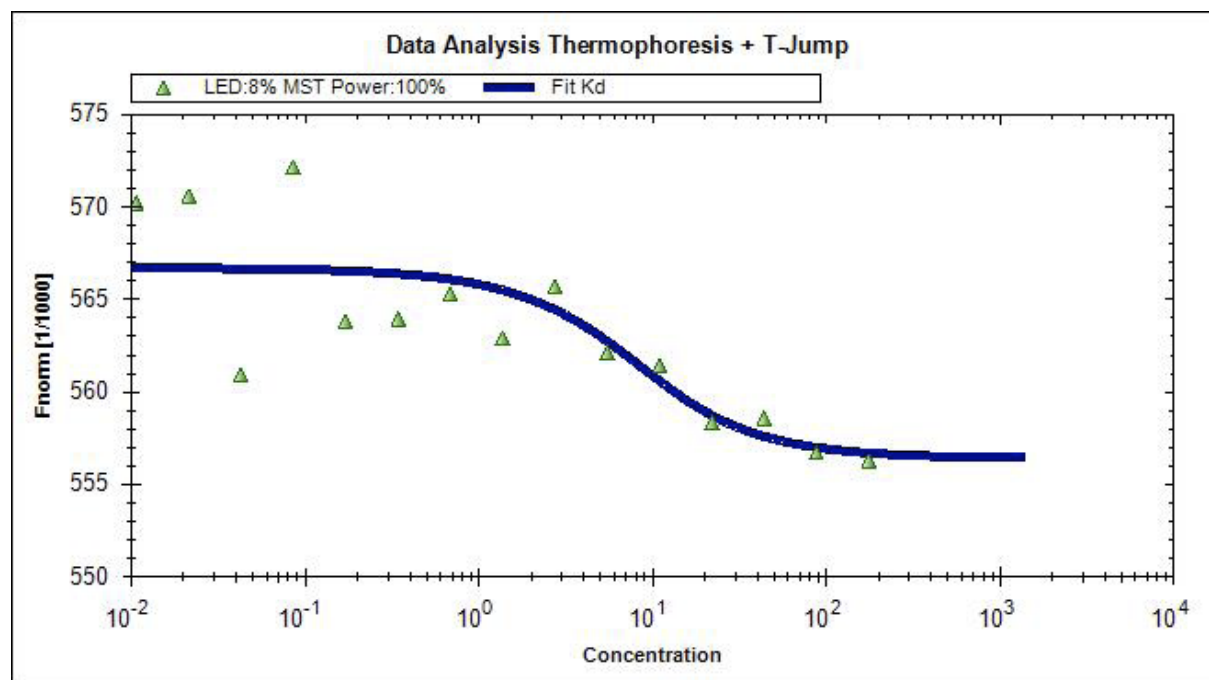
Aptamer was selected from a randomized 40-mer library against IgG protein. Proprietary methods were then used to select the aptamer.

#### 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 IgG by MST (Microscale Thermophoresis) method:

- *Buffer used for validation:* 1X PBS, pH = 7.4, 1 mM MgCl<sub>2</sub>
- *Average  $K_d$*  = 4.5 ± 0.83 nM



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