

APTAMER INFORMATION

IgG HyHel Aptamer (Oligo# 416)

1a. Description:

- Identifiers: IgG_A01-M13F
- Number of DNA nucleotides: 40 bases (without 3'-6T), 46 bases (with 3'-6T)
- Molecular weight (includes 3'-7T and biotin): 14,479.6g/mol
- Target for selection: HyHel IgG, (Chicken)

Aptamer was selected from a randomized 40-mer library against HyHel 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 HyHel IgG protein by Surface Plasmon resonance (SPR)

- Immobilized Ligand: HyHel IgG aptamer #416 with 3'-6T and biotin
- Analyte: HyHel IgG protein
- Buffer used for selection and for validation: 1X PBS, pH = 7.4
- Equilibrium Binding Analysis (Qdat), Avg K_d = 46 nM

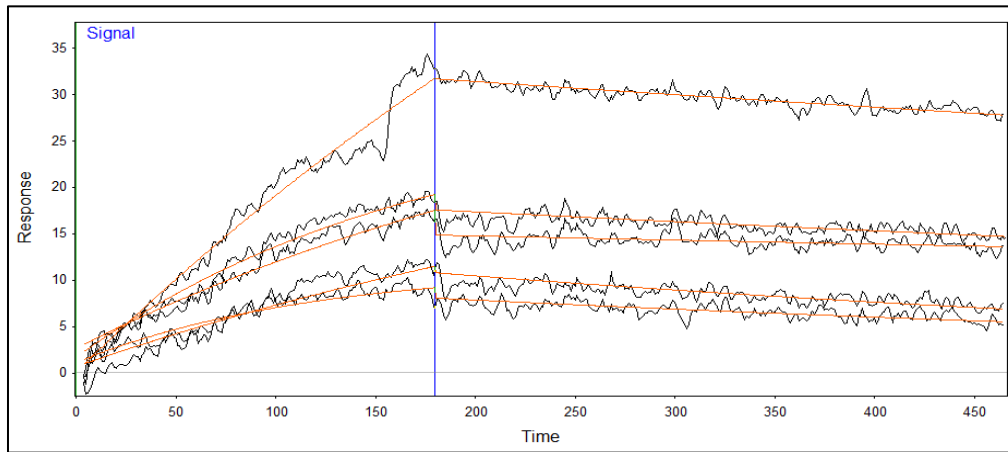


Figure 1. Specific Binding data for HyHel IgG aptamer #416 and HyHel IgG protein

