

Sensorgrams obtained for each replicate of peptide 8 / PhdSTm52-73 M60A (analyte) binding to DocSTm (ligand). Six concentrations of the analyte were flown over the surface in a single cycle, ranging from 100 nM to 0.412 nM (3-fold dilutions). The association and dissociation times were 80 s and 1000 s, respectively.

Summary of the fitted parameters obtained from each SPR measurement of peptide 8.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Replicate** | **kon (M-1 s-1)** | **koff (s-1)** | **KD (pM)** | **RMAX (RU)** | **tC (RU M-1 s-1)** | **Chi2 (RU2)** | **U-value** |
| **1** | 1.442 ± 0.002 × 106 | 9.658 ± 0.008 × 10-4 | 670 | 33.6 ± 0.01 | 1.566 ± 1.000 × 1013 | 0.275 | 1 |
| **2** | 1.490 ± 0.003 × 106 | 9.101 ± 0.010 × 10-4 | 611 | 33.5 ± 0.01 | 3.717 ± 4.600 × 1013 | 0.418 | 1 |
| **3** | 3.730 ± 0.016 × 106 | 18.10 ± 0.06 × 10-4 | 485 | 26.3 ± 0.01 | 8.970 ± 0.178 × 107 | 0.248 | 1 |