

Layer Guided-Acoustic Plate Mode Biosensors for Monitoring

MHC-peptide Interactions

S.M.Stanley, I.A.Dodi, C.R.Evans, S.J.Paston, R.C.Rees, C.J.Percival, G.McHale and
M.I.Newton

Supplementary Information

To verify whether the binding was peptide specific, the experimental procedure was repeated with the last stage using a TPH epitope that binds only weakly with the MHC and no phase shift was observed in this case. Exemplar data is provided below in fig. 1 and fig. 2.

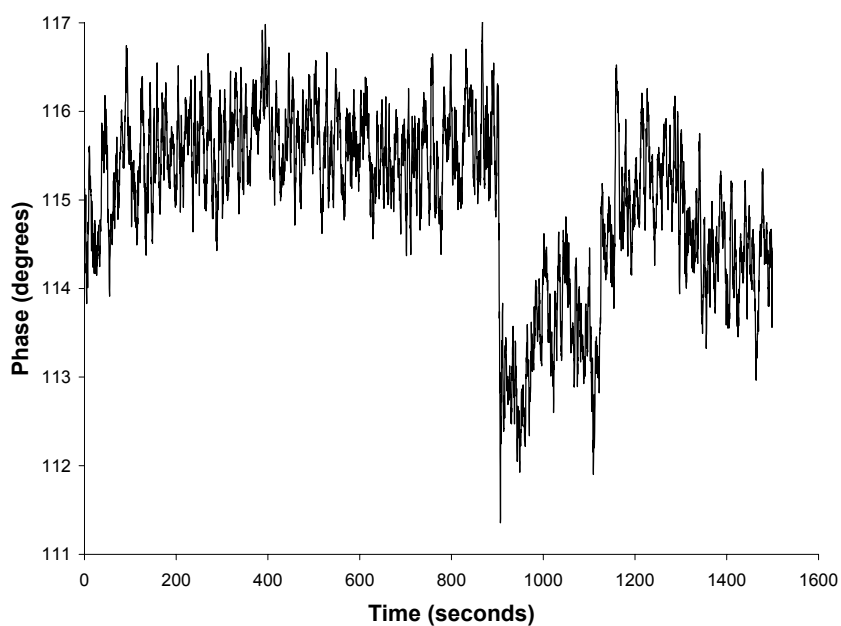


Figure 1 Change in phase as a result of the addition of β_2m at 893 seconds

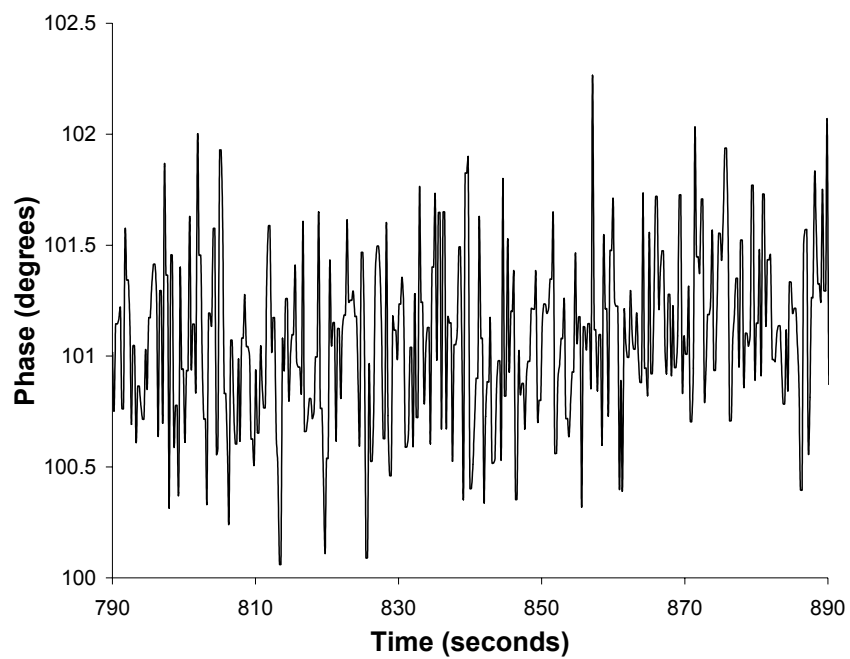


Figure 2 Change in phase as a result of the addition of TPH epitope at 805 seconds