

Supporting Information

Structural Analysis of an Intact Monoclonal Antibody by On-Line Electrochemical Reduction of Disulfide Bonds and Fourier Transform Ion Cyclotron Resonance Mass Spectrometry

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Figure S1

(a) Charge state distribution of intact IgG1 analyzed by ESI-FTICR MS under denaturing conditions (same as in Figure 2b) and zero-charge mass spectrum of this charge state distribution (see inset). (b) Low resolution direct infusion ESI-FTICR MS spectrum of intact mAb under semi-denaturing conditions (same as in Figure 3a) and zero-charge mass spectrum obtained after spectrum deconvolution. (c) Low resolution ESI-FTICR MS spectrum of intact and on-line electrochemically reduced mAb obtained using the set-up depicted in Figure 1b (same as in Figure 3c) and zero-charge mass spectrum obtained after spectrum deconvolution.

