

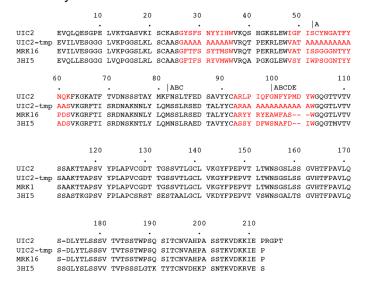
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Supporting information for article:

Crystal structure of the antigen-binding fragment of a monoclonal antibody specific for the multidrug-resistance-linked ABC transporter human P-glycoprotein

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UIC2/Fab - heavy chain



UIC2/Fab - light chain

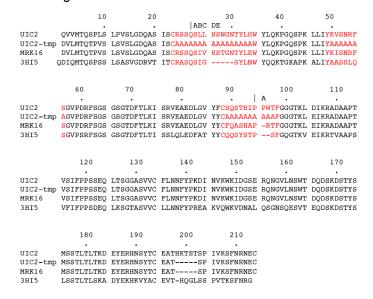


Figure S1 Sequence of UIC2 aligned to that of related antibodies.

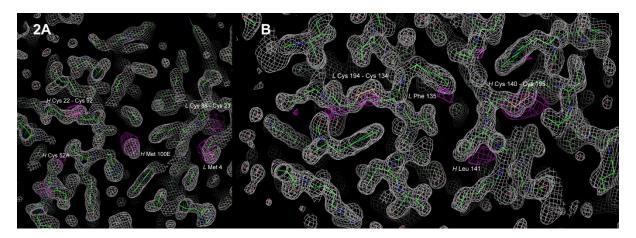


Figure S2 The anomalous difference density around selected sulfur atoms was calculated at 4.5 Å and is here shown in magenta. The contour level is 3.2 sigma. The overall quality of the anomalous map is good but note that there is still noise for instance at Phe135 and Leu141.

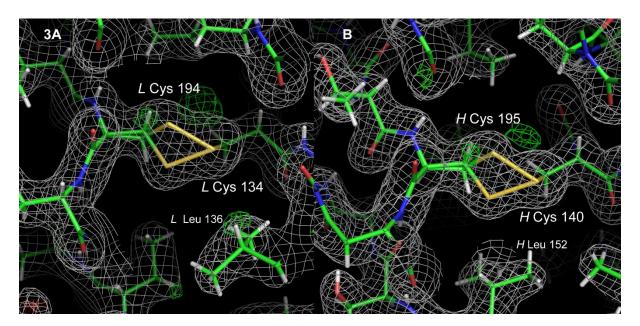


Figure S3 Cys194 of the light chain and Cys195 of the heavy chain were modeled with two rotamers, which refined to nearly equal occupancy in each case. All other disulfides refined with each cysteine exhibiting a single rotamer.

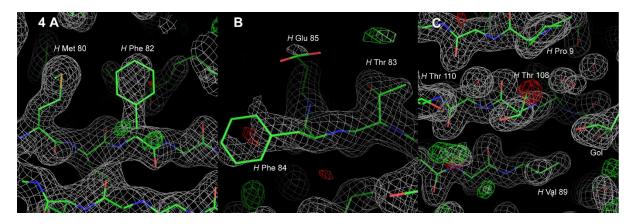


Figure S4 Sequenced heavy chain residues F82, T83, F84 and T108 are shown with their weighted 2Fo-Fc (light gray) and Fo-Fc density. Residues F82, F84 and T108 show the greatest disagreement with their 2Fo-Fc density. T83 seemed to have improved towards the end of refinement.