

**Summary of integrative structure determination of Refined structure of MR78 Antibody in complex with Marburg glycoprotein using Rosetta (PDB ID: 9A0C | pdb\_00009a0c, PDB-Dev ID: PDBDEV\_00000048 )**

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| <b>1. Model Composition</b>                                       |                                                                                                                                                                                                                                                                                                   |
| <a href="#">1.1. Entry composition</a>                            | <ul style="list-style-type: none"> <li>- Marburg Glycoprotein 1: chain(s) M (152 residues)</li> <li>- Marburg Glycoprotein 2: chain(s) N (83 residues)</li> <li>- MR78 antibody heavy chain: chain(s) O (106 residues)</li> <li>- MR78 antibody light chain: chain(s) P (124 residues)</li> </ul> |
| <a href="#">1.2. Datasets used for modeling</a>                   | <ul style="list-style-type: none"> <li>- Experimental model, PDB: <a href="#">pdb_00003x2d</a></li> <li>- X-ray diffraction data, PDB: <a href="#">pdb_00005uqy</a></li> </ul>                                                                                                                    |
| <b>2. Representation</b>                                          |                                                                                                                                                                                                                                                                                                   |
| <a href="#">2.1. Number of representations</a>                    | 1                                                                                                                                                                                                                                                                                                 |
| <a href="#">2.2. Scale</a>                                        | Atomic                                                                                                                                                                                                                                                                                            |
| <a href="#">2.3. Number of rigid and flexible segments</a>        | 0, 4                                                                                                                                                                                                                                                                                              |
| <b>3. Restraints</b>                                              |                                                                                                                                                                                                                                                                                                   |
| <a href="#">3.1. Physical principles</a>                          | Information about physical principles was not provided                                                                                                                                                                                                                                            |
| <a href="#">3.2. Experimental data</a>                            |                                                                                                                                                                                                                                                                                                   |
| <b>4. Validation</b>                                              |                                                                                                                                                                                                                                                                                                   |
| <a href="#">4.2. Number of ensembles</a>                          | 0                                                                                                                                                                                                                                                                                                 |
| <a href="#">4.3. Number of models in ensembles</a>                | Not applicable                                                                                                                                                                                                                                                                                    |
| <a href="#">4.4. Number of deposited models</a>                   | 1                                                                                                                                                                                                                                                                                                 |
| <a href="#">4.5. Model precision</a>                              | Not available                                                                                                                                                                                                                                                                                     |
| <a href="#">4.6. Data quality</a>                                 | Data quality has not been assessed                                                                                                                                                                                                                                                                |
| <a href="#">4.7. Model quality: assessment of atomic segments</a> | <ul style="list-style-type: none"> <li>- Clashscore: 0.00</li> <li>- Ramachandran outliers: 10</li> <li>- Sidechain outliers: 0</li> </ul>                                                                                                                                                        |
| <a href="#">4.8. Fit to data used for modeling</a>                | Fit of model to information used to compute it has not been determined                                                                                                                                                                                                                            |
| <a href="#">4.9. Fit to data used for validation</a>              | Fit of model to information not used to compute it has not been determined                                                                                                                                                                                                                        |
| <b>5. Methodology and Software</b>                                |                                                                                                                                                                                                                                                                                                   |
| <a href="#">1. 5.1. Method name</a>                               | Rosetta refinement                                                                                                                                                                                                                                                                                |

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|-------------------------------------------------------|-------------------------------------------------|
| <a href="#"><i>5.2. Method type</i></a>               | ?                                               |
| <a href="#"><i>5.4. Number of computed models</i></a> | ?                                               |
| <a href="#"><i>5.5. Software</i></a>                  | <a href="#">ROSETTA</a> (version Not available) |