



# wwPDB EM Map Validation Summary Report ⓘ

Dec 9, 2020 – 11:31 am GMT

EMDB ID : EMD-22507  
Title : SARS-CoV-2 spike in complex with the S2H14 neutralizing antibody Fab fragment (two receptor-binding domains open)  
Authors : , Park.YJ.; , Tortorici.MA.; , Walls.AC.; , Czudnochowski.N.; , Seattle.Structural.Genomics.Center.for.Infectious.Disease.(SSGCID).; , Snell.G.; , Veesler.D.  
Deposited on : 2020-08-20  
Resolution : 7.80 Å(reported)

This is a wwPDB EM Map Validation Summary Report for a publicly released PDB entry.

We welcome your comments at [validation@mail.wwpdb.org](mailto:validation@mail.wwpdb.org)

A user guide is available at

<https://www.wwpdb.org/validation/2017/EMMapValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

---

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

EMDB validation analysis : **FAILED**  
Validation Pipeline (wwPDB-VP) : 2.13

# 1 Experimental information

| Property                             | Value                     | Source    |
|--------------------------------------|---------------------------|-----------|
| EM reconstruction method             | singleParticle            | Depositor |
| Imposed symmetry                     | POINT, C1                 | Depositor |
| Number of images used                | 9957                      | Depositor |
| Resolution determination method      | FSC 0.143 CUT-OFF         | Depositor |
| CTF correction method                | Not provided              | Depositor |
| Microscope                           | TFS GLACIOS               | Depositor |
| Voltage (kV)                         | 200                       | Depositor |
| Electron dose ( $e^-/\text{\AA}^2$ ) | 60.0                      | Depositor |
| Minimum defocus (nm)                 | Not provided              | Depositor |
| Maximum defocus (nm)                 | Not provided              | Depositor |
| Magnification                        | Not provided              | Depositor |
| Image detector                       | GATAN K2 SUMMIT (4k x 4k) | Depositor |