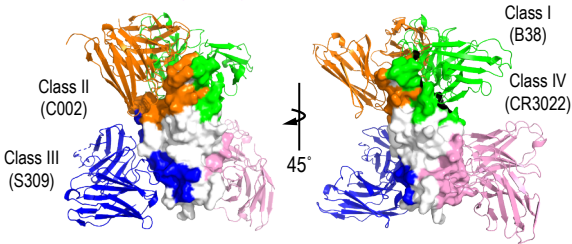


a

Epitope region (B38) 403–409, 415–421, 455–459, 473–479, 486–505
(C002) 444–452, 470–473, 481–494
(S309) 337–344, 356–361, 440–444
(CR3022) 369–392, 427–430, 515–517

**c**

Crash score in antibody (aligned with “up” RBD) – S-protein pairs
Number of overlapping Ca atoms (< 5Å distance) between the aligned antibody and S-protein

	S309 (Class III) PDB: 6WPT	C002 (Class II) PDB: 7K8T	C105 (Class I) PDB: 6XCM
1U	0	0	2
1U _o	11	0	0
2U _L	0	0	6

b

Bind both “up” and “down”

Bind only “up”

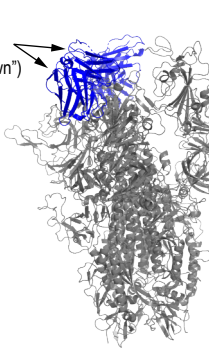
S309 (Class III)
PDB: 6WPT

C002 (Class II)
PDB: 7K8T

C105 (Class I)
PDB: 6XCM

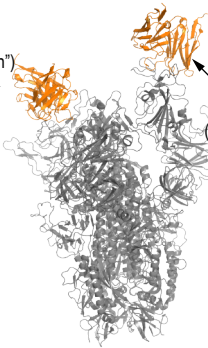
1U

Fab
S309
(bound to “down”)

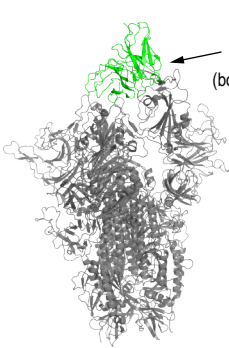


Fab
C002
(bound to “down”)

Fab
S309
(bound to “up”)



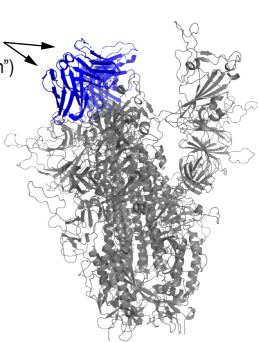
Fab
C002
(bound to “up”)



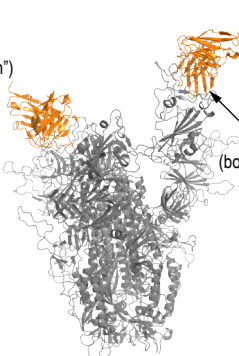
Fab
C105
(bound to “up”)

1U_o

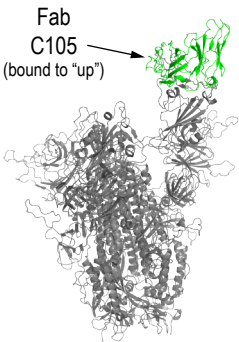
Fab
S309
(bound to “down”)



Fab
C002
(bound to “down”)



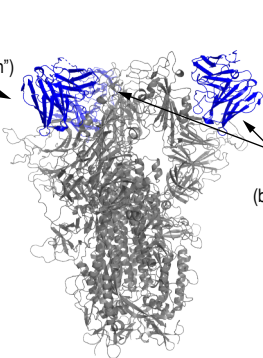
Fab
C002
(bound to “up”)



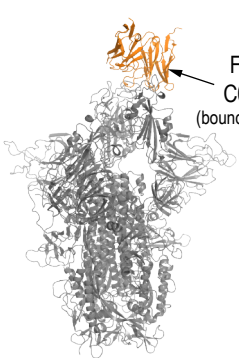
Fab
C105
(bound to “up”)

2U_L

Fab
S309
(bound to “down”)



Fab
S309
(bound to “up”)



Fab
C002
(bound to “up”)

