**Supplementary File 2**. Structural features of the β3 integrin Cys177-Cys184 disulfide bond.

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| --- | --- | --- | --- | --- |
| αIIbβ3 structures  with Ca2+ and Mg2+ | Chain | Cys177 solvent accessibility (~Å2) | Cys184 solvent accessibility (~Å2) | Configuration |
| Bent conformation  (PDB code 3fcs) | B | 0 | 17 | ‒/+RHhook |
| D | 1 | 17 | ‒/+RHhook |
| Extended apo conformation  (PDB code 3fcu) | B | 0 | 11 | ‒/+RHhook |
| D | 0 | 12 | ‒/+RHhook |
| F | 0 | 12 | ‒/+RHhook |
| Extended holo conformation  (PDB code 2vdo) | B | 0 | 13 | ‒/+RHhook |
| Extended holo conformation  (PDB code 2vdp) | B | 0 | 12 | ‒/+RHhook |
| Extended holo conformation  (PDB code 2vdq) | B | 0 | 12 | ‒/+RHhook |
| Extended holo conformation  (PDB code 2vdr) | B | 1 | 12 | ‒/+RHhook |