

Strep-Tactin®XT 4Flow® References

01.08.2022

This is not a complete list of all references using Strep-Tactin®XT 4Flow® products, but a short overview of relevant and open access ones.

Classic capacity

- *Anderson, D. W. et al. (2021). Nature Communications, 12(1), 3867.*
[doi:10.1038/s41467-021-23943-x](https://doi.org/10.1038/s41467-021-23943-x)

Anderson and colleagues produced their target proteins in E. coli BL21 (DE3) and used our Strep-Tactin®XT 4Flow® resin for column-based purification of these metalloproteins. Enzymatic activity was determined successfully.

- *Berg, A. F. et al. (2021). Cytokine: X, 3(4), 100058.*
[doi:10.1016/j.cytox.2021.100058](https://doi.org/10.1016/j.cytox.2021.100058)

Berg and colleagues produced their target proteins either and stably transfected CHO-K1 cells or in Expi293 and used our Strep-Tactin®XT 4Flow® resin for column-based purification of their target proteins containing a C-terminal Twin-Strep-Tag®. Purity was proved by SDS-PAGE analysis.

- *Beribisky, A. V. et al. (2022). The Protein Journal. doi:10.1007/s10930-022-10054-9*

Beribisky and colleagues used our pre-packed Strep-Tactin®XT 4Flow® columns for target purification from cell lysate. The buffers have been adapted from our standard composition to fulfill the requirements of the target protein.

- *Serna, M. et al. (2021). Nucleic Acids Research, 50(2), 1128-1146.*
[doi:10.1093/nar/gkab1267](https://doi.org/10.1093/nar/gkab1267)

Serna *et al.* used our Strep-Tactin®XT 4Flow® resin for in vitro pull-down experiments with their Strep-tag®II bait proteins. Protein interaction was analyzed via SDS-PAGE.

High capacity

- *Bangaru, S. et al. (2022). Sci Adv, 8(18), eabn2911.*
[doi:10.1126/sciadv.abn2911](https://doi.org/10.1126/sciadv.abn2911)

After expression in FreeStyle 293-F cells Bangaru *et al.* purified SARS CoV-2 spike protein with a Twin-Strep-tag® using our Strep-Tactin®XT 4Flow® high capacity columns and our buffers.

- *Muller, A. U. et al. (2021). Sci Adv, 7(49), eabl4064.*
[doi:10.1126/sciadv.abl4064](https://doi.org/10.1126/sciadv.abl4064)

Muller and colleagues produced their Twin-Strep-tag® target protein in *Mycobacterium smegmatis* and used our Strep-Tactin®XT 4Flow® high capacity resin for purification. To test their initial hypothesis of potential interactions, a pull-down assay using Strep-Tactin®XT 4Flow® high capacity resin was performed.

- *Ofir, G. et al. (2021). Nature, 600(7887), 116-120. [doi:10.1038/s41586-021-04098-7](https://doi.org/10.1038/s41586-021-04098-7)*

Ofir and colleagues produced their target protein containing a Twin-Strep-tag® in *E. coli* BL21 (DE3) and used our Strep-Tactin®XT 4Flow® high capacity resin for purification.

Strep-Tactin®XT 4Flow® Starter Kit – for a quick start

- *Moon, H.-J. et al. (2022). Neurobiology of Disease, 164, 105631. [doi:10.1016/j.nbd.2022.105631](https://doi.org/10.1016/j.nbd.2022.105631)*

Moon *et al.* used IBA's pEXPR-IBA vector and cloned a Strep-tag®II to their target protein human ApoE2. After expression in HEX293 cells, the protein was purified using our Strep-Tactin®XT 4Flow® starter kit and purity was examined with SDS-PAGE and western blot analysis.