



Can the PhycoLink® Conjugation Kits be used to scale up to 10 mg of antibody?

Yes, with these modifications:

1. Purchase sufficient Activated Phycoprotein for the additional antibody; the kits provide enough activated phycoprotein for 1 mg of antibody (except the PJ40K PerCP Conjugation Kit, 2 mg of antibody).
2. The volume of reduced antibody that can be applied to Desalting Column A is a maximum of 2 ml (to achieve good separation of the DTT). Therefore, the antibody must be concentrated to a minimum of 5 mg/ml.
3. The volume of conjugate that can be applied to Desalting Column B is a maximum of 2 ml, and you will have much more than that. Split the volume into 2-ml aliquots and use Desalting Column B in multiple runs; be sure to wash the column with at least 25 ml of the appropriate buffer between each use (recipes for buffers used in the Conjugation Protocol may be found in the Appendix in the kit booklet).

We have used these columns 2 - 4 times over the course of a day, but we haven't kept used columns for longer periods. You might be able to do so, but microbial growth is a concern.