

## **COLD IMMUNOPRECIPITATIONS FOR SCREENING OF SOLUBLE FCRN MUTANT CELL SUPERNATANTS**

*In which Christina writes a ridiculously detailed protocol in an attempt to put her many hours of Pain and Suffering to some Greater Social Good for the benefit of Future Generations of Bjorkpeople.*

Written by Christina Milburn 5/96, based on Peggy Fahnenstock's cold I.P. protocol and lots of advice from Malini Raghavan.

Obviously this protocol can be adapted for other proteins, but I've only done FcRn mutants.

### **ANTIBODIES AVAILABLE**

There are 3 anti-FcRn heavy chain monoclonal antibodies that were made in the lab: 1G3, 2G3 and 4C11. 1G3 is the one that has usually been used for screening transfection colonies, but I have used 4C11 for a few IPs and so far it seems to work equally well. 2G3 however will not immunoprecipitate. Because transfected cells secrete so much excess beta2m, the anti-beta2m antibodies probably will not pull down the heavy chain in an IP.