PMAL fing-CEUP-E-252-254 Induce O.S. P 30°C W Zing TATO Yhr. Spin culture 6000 RAY 10, Usually, 2x250ml. Add Sul 1x lysis biffer to each bottle and vesuspend sellets. -Freze on dry "ice. Thaw @ 55°C. -Ivansfer to 50 ml beaker_ Rivse bottles with 12 lysis butter and combine with previous 10 ml. Final volume ~ 20 ml. Add Solid Nacl to 05M and ATT to 5 ml final concentrations, Amer @ le Sonicate with large tip 3 or 4 × 1.5 minutes. 50% Duty cycli, Amer @ le Spin in ultra @ 23500 RPM (~75Kg) for 20 minutes. Kingel to see if soluble, or not: If Soluble: pusify on amylose resin and couple to Affi-geliu IF. Insoluble: My insoluble fraction is usually in the same volume PBS as is the soluble fraction. Spin PBS insoluble to me-pellet. Save PBS soluble fraction if desired. Add anothen the of IX SDS sample butter, for a total 101. of 5 ml. (Everything should be into solution) Somicate & boil it necessary Dialyze 5wl against your coupling butter, preferably of U & you. Change butter (orphe to Att. Gel 10. Add another to the coupling butter, preferably of U & you. Change butter (orphe to Att. Gel 10. Affi-Gelio Coupling: Ideally, use 20-30 mg protein in a max. vol. of 4.5 ml boffer for each lund of beads. Use MOPS, No pros., HEPES, etc. 10 Tikis. butters. For my PMAL frog E 252-254 I had adong total protein solubilized Take Include volume of Affi-sel 10. in a 15ml seven cap take. Wash 4x with 10 volumes cold dd H2O Spin @ 900 RPH /5' Add 4 ml/5ml soluble protein Solution to beads. Rock for 4 hours @ R.T. (Normally, at 402, but this will I SDS) Atten 4 hours, spin as above. Ale 2002 IM ethanolamine, pHS to bend pellet to block any active esters. Rock @ RT Thr (Again, usually @ 4°C.). After Thour, use TBS to transfer beads to a column, and to versore ethanglamine. inds can be stored in TBS + NaAzide @ 4°C.

To Punity Antibody. - seva should be passed over MDP columns 2X for 2hr. Procedure for all columnes is the same. Take column from cold. wash with 2 volumes TBS to versore arighe. wosh column with 25 volumes elution buffer to remove inbound protein. Do this before each use. For the first time after waking the column, monitor the clow-this for protein content Wash column, with ~ 5 volumes of TBS to remove acidic olution butter. Use TES to transfir beads back into a screw-cap tube if the serving volumn is too areat for the column itself. Spin e 900 RPM / Sminutes and remove TRS. And serving to beads. Rock effec of u for protein affinity column, or 2hr for MBP col. Vext day, transfer beads back to column using the servin itself. follect and save depleted servin for nestern. Nash column with 25 vol. TBS to remove excess serving. Evally elute with fractions equal to bed with are 15-20 eppendonts in a rack Add 2002 In This pit q to each the. Idd Indelution buffer to top of column and collect. Repcat 15-20% lix tubes well. ited antibody must be neutralized immediately. unsh coli with -5 vol. PES to remove acidic elution buffer lead ob 230 with pH paper) 1001 good toractions. licrocon 30 to LO.S.ml the original combined where of Cat, Mgt free PBS to concentrated ligroron 30 to Ko. Sul. Add glyverol to 50% and freeze e-20°C Acidic Elitron Buffer Example of dialysis /coupling losfin 0.5% Acetre Acid 50-100 WM HEPES PH & 0,1-0,25M Nall. I usually don't add publicse inhib. + protesse inhibitors. 2X (D) Lutter 10ml 30ml 13 Sng/min TXT.C. Stock Bril 10ml Naphos. 2ml 6ml 50mM 0.5M in the final 300A 0.75mg ml = 1 00780 5001 Made 5mM 100/ IM + protease inhibitor 4ml Nacl 0-8ml 2-4ml 0-2M 5M 10 mg ysozyme. 0-1mg/ml Solid Zmg 6mg 25