QUICK SEARCH HIDE
GO
Full Site Search

DOCUMENT CENTER HIDE
Instruction Books
MSDS
Print This Page
Email This Page

USER PROFILE HIDE
Email Address:
Password:
LOG IN
I Forgot My Password

New User Registration
Why Register?

SHOPPING CART HIDE
Ordering Information
Shipping Info
Credit Info
Returns Info

Current Order
Currently Empty
Order Form

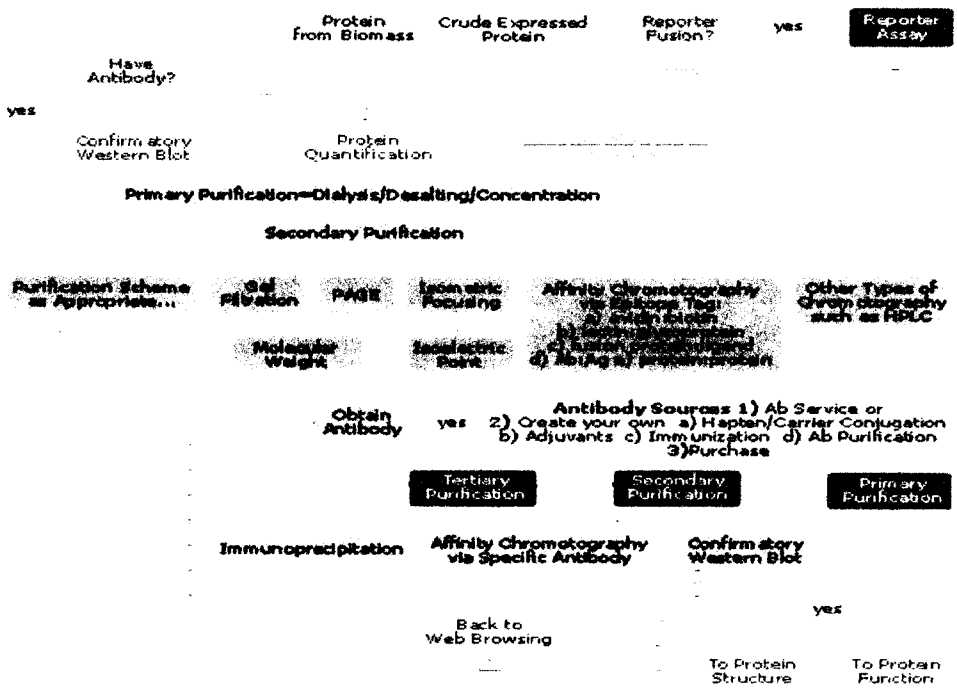
Immunoprecipitation is often used to purify a target protein from solution. Two separate approaches are commonly employed to perform immunoprecipitations. In the first, an antibody specific to the target protein is added to the protein mixture. The antibody-antigen complex is then precipitated from the solution using an insoluble resin that binds to the antibody complex (such as Protein A or Protein G immobilized on a solid support). Unbound proteins are removed by washing the resin, and the protein is eluted from the resin for further analysis. A drawback to this method is that when the antigen is eluted from the resin, it is contaminated with the antibody. This may complicate analysis of the purified protein.

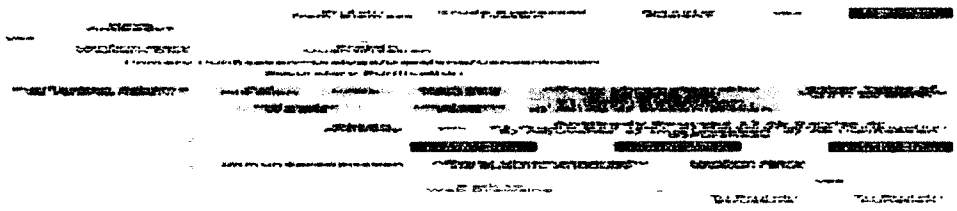
Pierce developed Seize Primary and Seize X Immunoprecipitation Kits to purify a protein by immunoprecipitation without contaminating the preparation with antibody. Using the Seize Kits, an antibody is covalently linked to the resin. Then the antibody coupled to resin is added to a crude protein mixture to capture and precipitate the antigen. The antigen is eluted from the resin while the antibody remains covalently bound to the resin. This simplifies the analysis of the purified protein by eliminating the large amount of antibody that would normally interfere with analyses such as SDS-PAGE or protein assays.

For more information on immunoprecipitation, see *Current Protocols in Protein Science,* Chapter 9, John Wiley & Sons, Inc.

To follow a pathway, click on a link.

- Go to Primary Purification





Related Items

Product
Immobilized Protein A on Agarose, Trisacryl or UI
Antibody Binding and Elution Buffers
Immobilized Protein A/G on Agarose or UltraLink B
Seize Primary Immunoprecipitation Kits
Seize X Immunoprecipitation Kits

Pierce and Endogen are brands of PERBIO SCIENCE AB.

Visit the new web site of Pierce Nucleic Acid Technology.