

## Biotinylation, HRP and FITC Protein/Antibody Labeling Kits

- Cat # 80220** **Horseradish peroxidase (HRP)** conjugation kit for antigen/antibodies  
 Contains [pre-activated HRP](#), Simply mix antibodies with HRP for conjugation.
- Cat # 80230** Antibody/Protein **conjugation to FITC**. [Labeling in 1-2 hrs for 2 reactions](#).
- Cat # 80300** Protein (antigen/antibodies) **Biotinylation Kit**. [Biotinylation in 1-2 hrs for 2 reactions](#).

## Pre-Activated BSA, KLH for Peptide/Protein Conjugation

- Cat # 80240** Peptide/Protein conjugation to [Pre-activated BSA Kit](#) (simply mix Peptide/proteins with BSA, for 2 conj.)
- Cat # 80250** Peptide/Protein conjugation to [Pre-activated KLH Kit](#) (simply mix Peptide/proteins with KLH, for 2 conj)

## Pre-Activated Agarose for Coupling Peptides, Proteins or Antibodies

- Cat # 110100-CG** Preactivated Cys-Link-Affinity Gel Sepharose (for **Cys-containing peptides/proteins**)  
 Contains [pre-activated gel](#), Simply mix Peptide/proteins for conjugation.
- Cat# 110200-NG** Preactivated N-Link-Affinity Gel Agarose (for **NH<sub>2</sub>-containing peptides/proteins**)  
 Contains [pre-activated gel](#), Simply mix Peptide/proteins for conjugation.

## Western Blot Recycling Kit

Re-use Old or New Western Blots using ADI's Western Blot Recycling Kit

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| Strip antibodies at RT; No heating required.     | No mercaptoethanol; No pungent smell.                      |
| Just soak blots in stripping soln for 10-15 min. | Blots are reusable within 15-60 min.                       |
| Multiple stripping; reuse blots 5-10 times       | Blots can be probed with the same or different antibodies. |

Western Blot Recycling Kit **Cat # 90100** Sufficient for 30-50 mini-blots

List of publications (please see update list at the web site)

Humphreys 2002, Endocrinology 143, 3641| [Used Nitrocellulose](#)| Stripped 4 times and reprobed with other antibodies  
 Dwivedi 2002, JBC 277, 29643, [Used Nitrocellulose](#), Stripped phosphoantibodies and reprobed with other antibodies  
 McClelland 2002, J Appl Physiol, 2002| 92: 1573, [Used PVDF](#), stripped and reprobed with various MCTs antibodies  
 Jackson 2001, J Immunol 166, 952-958| [Used Nitrocellulose](#)| primary antibody stripped and reprobed with beta-actin

## Annotate or Mark Western Blot Membranes with an Antigen Pen <sup>TM</sup>

Using a [proprietary and patented technology](#), ADI has designed and developed specialized fountain pens, called Antigen-Antibody pens, that transfer the antigens or antibodies pre-formulated in the ink. The antigen pens can be used to write or mark the blotting membranes in any form or shape or size. One can mark the size of the markers (e.g., **15-150 kDa**) or the lanes (**1-7**). The **secondary antibody conjugate reacts with the primary antibodies (mouse, rabbit etc.) being used for the Western and also the antibody (pre-mixed in the in the antigen pens) and the pen marking as well**. The signal is produced and recorded from the protein bands, the antigen writing (lanes, mol wts) allowing immediate identification of samples and protein size. There is no need to compare the image with the original blot. In addition, Antigen-Antibody Pens are designed for animals commonly used for primary antibody production. Therefore, if one is using rabbit primary antibody and the antigen pens specific for rabbit, then the secondary antibody must be anti-rabbit for the writing or the protein bands to be visible. The usage of antigen pens provides a **built-in positive control** for the entire Western procedure.

Cat #	Product Description	Cat #	Product Description
PEN13-SET	Antigen-Antibody Pens, a set of any 3 pens	PEN-M2	Antigen-Antibody Pen For <b>Mouse</b> antibodies
PEN-B9	Antigen-Antibody Pen For <b>Biotin-tagged</b> antibodies (all species)	PEN-P6	Antigen-Antibody Pen For <b>G. Pig</b> antibodies
PEN-C5	Antigen-Antibody Pen For <b>Chicken</b> antibodies	PEN-R1	Antigen-Antibody Pen For <b>Rabbit</b> antibodies
PEN-G3	Antigen-Antibody Pen For <b>Goat</b> antibodies	PEN-S4	Antigen-Antibody Pen For <b>Sheep</b> antibodies
PEN-H7	Antigen-Antibody Pen For <b>Human</b> antibodies	PEN-T8	Antigen-Antibody Pen For <b>Hamster</b> antibodies