

**SECTION 1: PRODUCT IDENTIFICATION**

PRODUCT NAME	<i>Fludyn™ CROSSLINKED ALLOPHYCOYANIN Labeling Kit</i>
CATALOG No.	<i>APX-KPG-1001M</i>
LABELING ABILITY	<i>This kit is specially designed to label 1mg of IgG Antibody</i>
COMPOSITION	<i>The kit is composed by four reactive vials denominated with letters A, B, C, D and a 500µL spin column</i>
STORAGE	<i>Store at 4°C in the dark. DO NOT FREEZE</i>

SECTION 2: HOW TO USE**Step 1: Antibody preparation**

Antibody minimal concentration is 2mg/mL*
Put 1mg of antibody in the top of the spin column
Centrifuge for 5 minutes at 10 000g at room temperature
Discard the filtrate in the bottom of the spin column
Add 300µL of vial A solution into the spin column
Centrifuge for 5 minutes at 10 000g at room temperature
Discard the filtrate in the bottom of the spin column

Step 2: Antibody activation

Add 500µL of vial A solution to vial B
Stir gently until dissolution of the powder
Put 50 µL of vial B solution into the spin column
Incubate in the dark at room for 30 minutes under agitation
Centrifuge for 5 minutes at 10 000g at room temperature
Discard the filtrate in the bottom of the spin column
Wash column with 300µL of vial A solution
Centrifuge for 5 minutes at 10 000g at room temperature
Discard the filtrate in the bottom of the spin column, repeat the washing

Step 3: Labeling

Add 200µL of vial A solution to vial C
Stir gently until dissolution of the powder
Put vial C solution into the top of the spin column
Incubate in the dark at room temperature for 2 hours under agitation

Step 4: Quenching

Add 500µL of vial A solution to vial D
Stir gently until dissolution of the powder
Put 50 µL of vial D solution into the top of the spin column
Incubate for 15 minutes at room temperature in the dark
Centrifuge for 5 minutes at 10 000g at room temperature
Discard the filtrate in the bottom of the spin column

Step 5: Finalization

Wash column with final buffer of your choice.
Centrifuge for 10 minutes at 10 000g at room temperature, a longer centrifugation time is recommended if the volume on the top of the spin column is > 100µL
Discard the filtrate in the bottom of the spin column, repeat washing
As desired, it is possible to repeat step 5

Labeled antibodies are present in the top of the spin column, dissolve them into final buffer of your choice, labelled antibodies are ready to use.

Storage: 4°C in the dark with preservative as sodium azide (0.1%). High concentration (> 1mg/mL) is recommended for optimal stability.
Never freeze the conjugates.

*If starting concentration is < 2 mg/ml, use the spin column to concentrate your sample.

For in vitro research use only. Not for diagnostic or therapeutic procedures.