5. Add 100-180 µL sample slowly to the middle of the packed medium and place column in a clean 1.5 mL collection tube. Optional: Add 40 µL 1x PBS for sample volumes under 140 µL.
6. Centrifuge column for 2 minutes at 800 x g.

The eluted antibody is now ready for labeling.

Protocol for labeling 50 µL of antibody solution at 0.1-3 mg/mL

1. Centrifuge all tubes to collect contents prior to use and equilibrate all reagents to room temperature.
2. Add 12.5 µL Antibody Labeling Buffer to antibody solution and mix well by pipetting up and down.
3. Add 6 µL Dye Solution and mix well by pipetting up and down.
4. Incubate at room temperature for 30 minutes.
5. Add 1.5 µL Quenching Solution and mix well by pipetting up and down.
6. Incubate at room temperature for 5 minutes.
7. Add 4 µL Neutralization Buffer and mix well.

Antibodies are now labeled and ready to use.

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AzureSpectra Antibody Labeling Kits

For covalently labeling antibodies with fluorescent dye

Short Protocol for Catalog Numbers

AC2185 AzureSpectra Antibody Labeling Kit – 490
AC2186 AzureSpectra Antibody Labeling Kit – 550
AC2187 AzureSpectra Antibody Labeling Kit – 650
AC2188 AzureSpectra Antibody Labeling Kit – 700
AC2189 AzureSpectra Antibody Labeling Kit – 800

DC0029-003

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Description

AzureSpectra Antibody Labeling Kits covalently label antibodies with fluorescent dyes using a quick, easy to follow protocol. Each kit includes: Antibody Labeling Buffer (250 µL), AzureSpectra Dye Solution (12 µL), Quenching Solution (30 µL), Neutralization Buffer (80µL), and Buffer Exchange Spin Columns (2).

Storage Information

Store AzureSpectra Antibody Labeling Kit reagents at 4°C.

Warnings and Precautions

- AzureSpectra Labeling Kit is for research use only.
- Always wear gloves when handling reagents.
- Refer to MSDS for additional safety information.
- The product is guaranteed to be free of manufacturer defects, and to function as described when the provided protocol is followed by properly trained personnel.

For More Information

Visit **www.azurebiosystems.com**.

Short Protocol

NOTE: Antibody to be labeled should be in primary amine-free buffer such as PBS, MOPS, HEPES or MES. Use the included spin columns to exchange the antibody buffer to 1x PBS if your antibody buffer contains any of the following:

- Stabilizers such as albumin or glycerol
- Nucleophilic components such as Tris, glycine, ethanolamine and amino acids
- Thiols and reducing agents such as mercaptoethanol, DTT and TCEP

Buffer Exchange Protocol

1. Re-suspend column medium by vortexing.
2. Loosen cap, twist off bottom closure, place column in a 1.5 mL collection tube and centrifuge for 1 minute at 800 x g to remove the storage buffer.
3. Equilibrate column by adding 400 µL 1x PBS to the column. Place column in collection tube and centrifuge for 1 minute at 800 x g. Discard flow through and replace column in collection tube.
4. Repeat equilibration step 4 times.