



Flow Cytometry Secondary Reagents

Donkey Anti-Goat IgG (H+L)-Allophycocyanin

Catalog Number: F0108

Lot Number: LXE05

100 Tests

Intended Use

This reagent is designed for use as a secondary developing reagent in immunofluorescent assays, such as flow cytometry, where the primary antibody does not have a fluorescent reporter molecule, is of goat origin, and is of IgG class.

Background Information

This polyclonal antibody preparation has been derived from donkey immunized with goat IgG. Goat IgG specific IgG is purified by goat IgG (H+L) affinity chromatography. The IgG fraction is then conjugated to allophycocyanin for use in immunofluorescent-type assays.

Reagents Provided

Supplied as 10 µg of antibody in 1 mL saline containing up to 0.5% BSA and 0.1% sodium azide.

Storage

Reagents are stable for **twelve months** from date of receipt when stored in the dark at 2° - 8° C.

Reagent Preparation

Donkey anti-goat IgG (H+L)-Allophycocyanin is produced as the allophycocyanin derivative of donkey IgG from animals immunized with goat IgG. The reagent is provided in a ready-to-use liquid format containing phosphate buffered saline with 0.5% BSA and 0.1% NaN₃ as a preservative. Store reagent at 2° - 8° C. **DO NOT FREEZE**. Dispose of liquids containing azide with caution and according to local regulations.

Sample Staining

1. Cells of interest (1 - 5 x 10⁵ cells) are stained with a goat IgG primary antibody according to the antibody manufacturer's instructions.
2. After the recommended incubation period the cells are washed 3 times with a PBS buffer by centrifugation at 250 x g for 5 minutes.
3. The cell pellet is resuspended in up to 200 µL of PBS and 10 µL of donkey anti goat IgG (H+L)-APC is added to each reaction.
4. The cells are incubated for 30 minutes at 2° - 8° C in the dark. The cells are washed 3 times as indicated in step # 2.
5. The cell pellet is resuspended in 400 µL of PBS for flow cytometric analysis.

Warning: Contains sodium azide as a preservative. Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large volumes of water during disposal.

FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

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