



## Flow Cytometry Secondary Reagents

Donkey Anti-goat IgG (H+L)-Phycoerythrin

Catalog Number: F0107

Lot Number: LWW05

100 Tests

### ***Reagents Provided***

#### **Donkey anti-goat IgG (H+L)-Phycoerythrin (PE):**

Supplied as 25 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.

### ***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 phycoerythrin for use in immunofluorescent-type assays.

### ***Reagent Preparation***

**Donkey anti-goat IgG (H+L)-Phycoerythrin** is produced as the R-Phycoerythrin 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% NaN<sub>3</sub> as a pr-servative. R-Phycoerythrin has an absorption spectrum from 480 - 566 nm and has optimal emission at 575 nm. 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 10<sup>5</sup> 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)-PE 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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