



## Flow Cytometry Secondary Reagents

Mouse Anti-Hamster IgG-Phycoerythrin

Clone: MAH1.12

Catalog Number: F0120

Lot Number: ABAK01

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 hamster origin, and is of IgG class.

### ***Background Information***

This monoclonal antibody was produced from a hybridoma derived from a mouse immunized with purified Armenian hamster IgG. The IgG fraction of the tissue culture supernatant was purified by protein G affinity chromatography. The IgG fraction is then conjugated to phycoerythrin (PE) for use in immunofluorescent-type assays.

### ***Reagents Provided***

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 the date of receipt when stored in the dark at 2° - 8° C.

### ***Reagent Preparation***

**Mouse anti-hamster IgG-PE** is produced as the PE derivative of mouse monoclonal anti-hamster 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 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 10<sup>5</sup> cells) are stained with a hamster 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 followed 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 mouse anti hamster IgG-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 analysis by flow cytometry.

**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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**1-800-343-7475**