

# MonoZero™ Mouse Fc Blocking Reagent

Catalog Number: PF00031

## Product Information

Mouse Fc R are expressed on natural killer cells, monocytes, macrophages, dendritic cells (at low levels), Kupffer cells, granulocytes, mast cells, B lymphocytes, immature thymocytes, and some activated mature T lymphocytes. In immunology experiments such as cell sorting, immunofluorescence, immunohistochemistry, and flow cytometry, the Fc regions of primary and secondary antibodies can non-specifically bind to Fc receptors on the cell surface, causing high background and leading to significant errors in experimental results. Mouse Fc Receptor Blocking Reagent can be used to block the binding of Fc receptors to antibodies to achieve more accurate experimental results.

This product is a chimeric antibody with a porcine IgG1 backbone and should not affect the binding of primary and secondary antibodies in the experiment. This product is not compatible with CD16/CD32/CD64 staining using antibodies whose epitope is at that binding interface.

## Components

Concentration: 1 mg/mL  
Buffer: PBS with 0.1% Proclin300, pH 7.2

## Package

50 ug / 100 ug / 500 ug

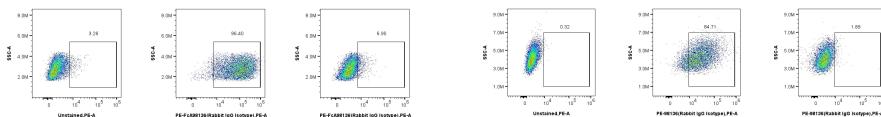
## Storage

Store at 2-8°C for 1 year and avoid freezing. Before use, fully thaw and thoroughly mix the product for optimal performance. Avoid prolonged exposure to room temperature. After opening, the product should be stored sealed to prevent contamination.

## Notes

This product is recommended for use only on human cells.

## Validation Data



Mouse peritoneal macrophages were incubated with (right) and without (center) Mouse Fc Receptor Blocking Reagent, then incubated with PE-98136 (Rabbit IgG Isotype Control). Mouse Fc Receptor Blocking Reagent significantly reduces Fc-receptor mediated non-specific binding and improved signal-to-noise ratio.

J774A.1 cells (mouse monocyte-macrophage cell line) were incubated with (right) and without (center) Mouse Fc Receptor Blocking Reagent, then incubated with PE-98136 (Rabbit IgG Isotype Control). Mouse Fc Receptor Blocking Reagent significantly reduces Fc-receptor mediated non-specific binding and improved signal-to-noise ratio.

For technical support and original validation data for this product please contact

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