

MonoZero™ Human Fc Blocking Reagent

Catalog Number: PF00032

Product Information

Fc R is a type I transmembrane protein of the immunoglobulin superfamily. There are three subtypes, Fc RI (CD64), Fc RII (CD32) and Fc RIII (CD16), which are expressed on cells such as B cells, monocytes, macrophages, NK cells, and granulocytes. 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. Human 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 constant region and should not affect the binding of primary and secondary antibodies in the experiment. This product also contains a human IgG Fc fragment. This product is not recommended for experiments that include anti-human IgG Fc antibodies. This product is not compatible with CD16/CD32/CD64 staining using antibodies whose epitope is at the binding interface.

Components

Buffer: PBS with 0.1% Proclin300, pH 7.2

Package

50 T/100T/500 T

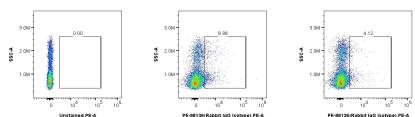
Storage

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.

Note

This product is recommended for use only on human cells.

Validation Data



Human PBMCs were incubated with (right) and without (center) Human Fc Receptor Blocking Reagent, then incubated with PE-98136 (Rabbit IgG Isotype Control). Human 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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