CytoWatch™ QZ100 Monocyte Blocking Reagent

Catalog number: 37000, 37001
Unit size: 100 Test, 500 Test

Component	Storage	Amount (Cat No. 37000)	Amount (Cat No. 37001)
CytoWatch™ QZ100 Monocyte Blocking Reagent	Refrigerated (2-8 °C)	100 Tests (500 µL)	500 Tests (5 X 500 µL)

OVERVIEW

Some dye-labeled fluorescent antibody conjugates used in cell surface staining of live cells often exhibit non-specific binding in monocytes and macrophages. CytoWatch™ QZ100 Monocyte Blocking Reagent is a non-antibody-based blocking solution that is optimized to blocking the non-specific background of cyanine-based dye conjugates. It can effectively eliminate non-specific staining of monocytes and macrophages by cyanine dye conjugates (such as PE/Cy5, PE/Cy7, APC/Cy7, PE/Dazzle™ 594, APC/Fire™ 750, PE/Alexa Fluor® 647, PE/Alexa Fluor® 750, APC/Alexa Fluor® 750, PE/iFluor® 647, PE/iFluor® 750 and APC/iFluor® 750). The reagent has no impact on the specific surface staining of live lymphocytes, monocytes, and granulocytes.

SAMPLE EXPERIMENTAL PROTOCOL

Cell Surface Staining Protocol for Flow Cytometry Analysis

1. Add 5 µL of CytoWatch™ QZ100 Monocyte Blocking Reagent to 100 µL of PBMC or whole blood.
2. Incubate for 5-10 minutes at room temperature or add primary antibodies immediately, and incubate at room temperature for 20 minutes.
3. Wash twice with cell staining buffer.
4. Resuspend cells in 0.5 mL of cell staining buffer.
5. Perform flow cytometric analysis.

EXAMPLE DATA ANALYSIS AND FIGURES

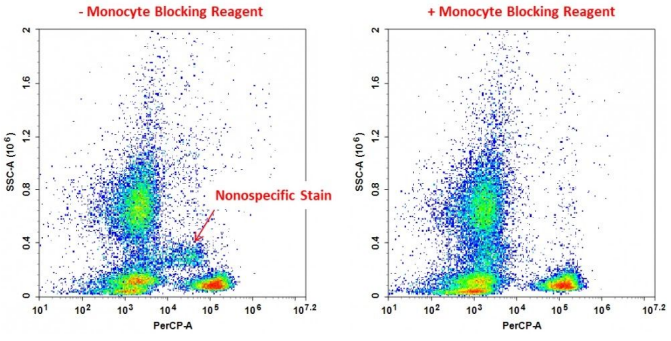

Figure 1. Human peripheral blood were either untreated (left) or treated with CytoWatch™ QZ100 Monocyte Blocking Reagent (right) and stained with CD3 (clone UCHT1) PE/Cyanine5.

DISCLAIMER

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