SONY

Product Data Sheet

Veri-Cells™ CD4-Low PBMC

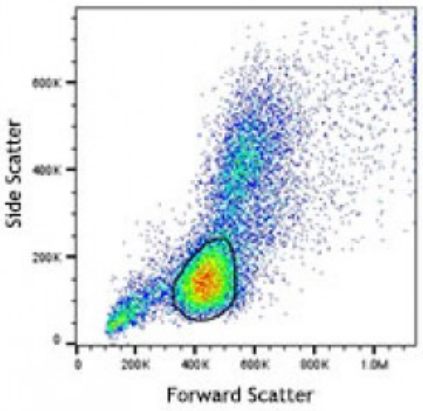
Catalog # / Size: 2728010 / 100 tests
2728005 / 25 tests

Isotype:

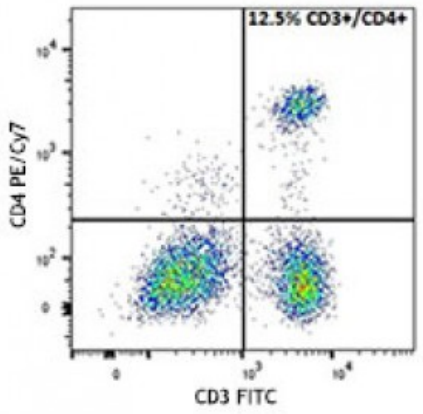
Preparation: The Veri-Cells™ CD4-Low PBMC Kit is prepared from lyophilized human peripheral blood mononuclear cells and a vial of reconstitution buffer.

Formulation: Each vial of Veri-Cells™ CD4-Low PBMC contains 4-6 x 10^6 lyophilized human peripheral blood mononuclear cells (PBMC).

Concentration: NULL



Veri-Cells™ CD4-Low PBMC were stained with CD3 FITC and CD4 PE/Cy7. The bottom plot is gated on the lymphocyte population.



Applications:

Applications: Flow Cytometry

Recommended Usage: 50 microL per test (after reconstitution with 1.3 ml)

Note: Veri-Cells™ Reconstitution Buffer A may show precipitation over time, however this is normal and does not affect performance of the buffer.

Application Notes: The Veri-Cells™ CD4-Low PBMC Kit can be used as positive controls for surface and intracellular immunofluorescent staining and multi-color flow cytometry assays. Assay values for $CD3^+CD4^+$ cells will be provided for each lot produced.

Protocol for using Veri-Cells™ CD4-Low PBMC:

1. Remove a vial of lyophilized cells from the refrigerator and warm to room temperature for five minutes.
2. Add 1.3 ml of the Veri-Cells™ Reconstitution Buffer A (provided) to the cell pellet, replace the rubber stopper, and mix by inversion for five seconds. Allow at least five minutes for the cells to rehydrate prior to staining.

3. Aliquot the required amount (we recommend using 50 microL) of cells into tubes. Stain with antibodies using our recommended Cell Surface Immunofluorescence Staining Protocol, Intracellular Flow Cytometry Staining Protocol, or equivalent. The cells are ready for acquisition.

Note: To monitor non-specific staining, we recommend using appropriate isotype controls.

Description: The reconstituted lyophilized human PBMC can be used for immunofluorescent staining and multi-color flow cytometry assays. The cells can be used as controls for stability studies to avoid donor variability. This product contains human cells, a potentially biohazardous material. Blood used in preparation of these samples was tested and found to be negative, using FDA approved methods, for antibody and nucleic acid testing against Human Immunodeficiency virus (HIV), Hepatitis B and C virus and HTLV (Human T-Lymphotrophic virus I and II), surface antigen for Hepatitis B (HBsAg) virus and syphilis and West Nile Virus. Biological tests are not 100% accurate. Use standard precautions when handling and treat as if the product is capable of transmitting disease. When handling or disposing, follow precautions described in CDC and FDA recommendations and OSHA Bloodborne Pathogen guidelines.