

Certificate of Analysis

Human Adult Purified PBMC - Cryopreserved Vial

Catalog number:	PB009C- 1 (10 x 10 ⁶ cells/vial)
Lot Number:	16038267
Source ID:	D270240
Description:	Peripheral blood mononuclear cells (PBMCs) were purified with a density gradient centrifugation. After purification, the PBMCs were stained to identify various subpopulations by Flow Cytometer. The PBMCs were then cryopreserved in Cryostor CS10 (BioLife Solution, Seattle, WA) using CoolCell (BioCision, San Diego, CA) freezing at -1°C/min. The cells are also available in a freshly isolated, non-frozen format.
Source:	Freshly collected Leukopak (Cat# PB001F-1) from HemaCare.
Instructions:	Upon arrival, either prepare cells for long term frozen storage in Liquid Nitrogen vapor phase or thaw for further experiments.
Principle Markers:	CD3 ⁺ , CD4 ⁺ , CD8 ⁺ , CD14 ⁺ , CD19 ⁺ , CD45 ⁺ , CD56 ⁺
Biosafety:	Cells should be handled following biosafety level 2 procedures. Universal precautions should be utilized when working with these cells. Use aseptic techniques when thawing or handling the cells.

The following donor screening tests have been performed:

CMV testing upon request

Serological Testing:

- Syphilis
- Antibody Screen

Infectious Disease Panel:

- Hepatitis B Core Antibody (Anti-HBc EIA)
- Hepatitis B Surface Antigen (HBsAg EIA)
- Hepatitis C Virus Antibody (Anti-HCV EIA)
- Human Immunodeficiency Virus Antibody (HIV 1/2 plus O)
- Human T-Lymphotropic Virus Antibody (HTLV-I/II)
- HIV-1/HCV/HBV Nucleic Acid Testing
- WNV Nucleic Acid Testing
- Trypanasoma cruzi Antibody



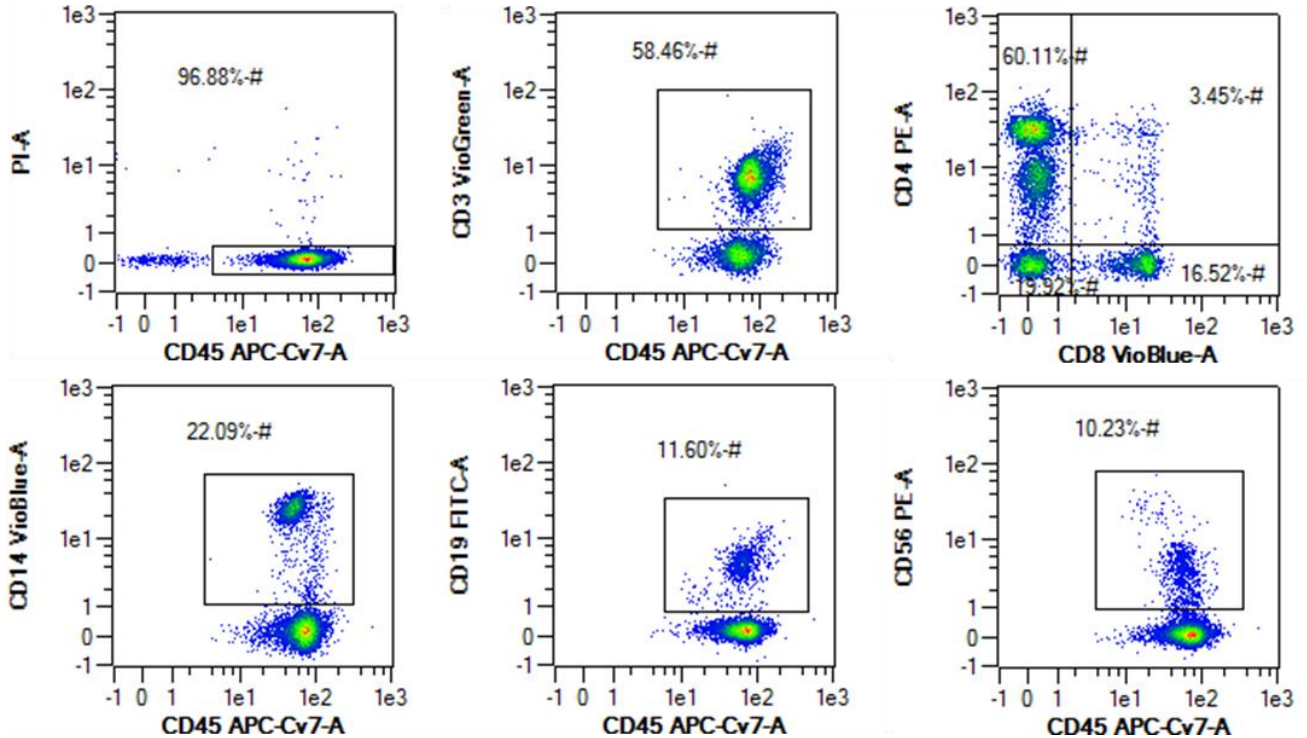
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Flow Cytometry Analysis



Viability is 99.47% based on FSC/PI staining pre-cryopreservation (not shown).

Surface Marker Summary

PI CD45 ⁺	CD3 ⁺ T Cells	CD14 ⁺ Cells	CD19 ⁺ Cells	CD56 ⁺ Cells
96.88 %	58.46 %	22.09 %	11.60 %	10.23 %

Donor Demographics and Lot Specific Information

Source ID	Age	Gender	Ethnicity	Blood Type	Cryopreservation Date
D270240	26	Male	Hispanic/Caucasian	O-Pos	January 20, 2016

Donor Testing Panel Results: Negative for all donor screening test performed

Released by:

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