

**DATA SHEET**  
**Human Adult Monocyte Derived Dendritic Cells - Frozen Vial**

Catalog number: PB010C-1

Lot: 13032532

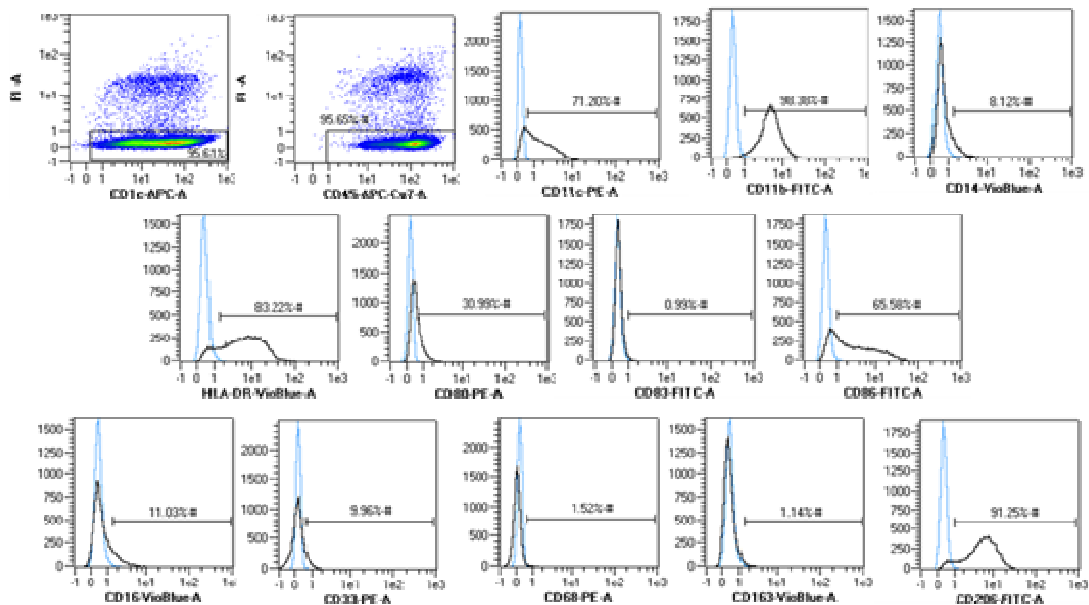
Description: Frozen vial of  $2 \times 10^6$  Dendritic Cells (DC) were derived from purified CD14+ Monocytes. CD14+ cells were positively selected via immunomagnetic beads and cultured in the presence of GM-CSF and IL-4 for 7 days. The DCs were confirmed by morphology and the expression of specific biomarkers. The cells were cryopreserved in a Cryostor CS10 (BioLife Solution, Seattle, WA) for long term frozen storage (e.g. in liquid nitrogen vapor) and dry ice shipment ( $< -50^{\circ}\text{C}$ ). Upon receipt, either transfer into liquid nitrogen vapor phase or prepare for thawing.

Source: Freshly isolated CD14 monocytes from HemaCare (Cat # PB14)

Storage Conditions: Either prepare cells for long term frozen storage in Liquid Nitrogen vapor phase or thaw for experiments.

Positive Markers: Lineage negative (CD3<sup>-</sup>, CD56<sup>-</sup>, CD19<sup>-</sup>, CD66b<sup>-</sup>), CD45<sup>+</sup>, CD1c<sup>+</sup>, CD14<sup>low</sup>, CD11b<sup>+</sup>, CD11c<sup>+</sup>, HLA-DR<sup>+</sup>, CD86<sup>+</sup>, CD80<sup>low</sup>, CD83<sup>-</sup>, CD16<sup>Low</sup>, CD33<sup>low</sup>, CD163<sup>-</sup>, CD68<sup>-</sup>, CD206<sup>+</sup>

Disclaimers: HemaCare products are intended for laboratory research purposes only. They are not intended for use in Humans.



**figure 1.** This lot of DC are gated on 95.65% CD45+ PI negative cells, and 95.61% CD1c+ PI negative as well. The light blue line is the negative control and DC positive staining is noted by the black overlay.



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## Certificate of Analysis

### Human Adult Monocyte Derived Dendritic Cells - Frozen Vial

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Cell Viability: 95.65%  
Cell Purity: 95.61%  
Cryo Date: January 6<sup>th</sup> 2014

#### Donor Information:

Age: **49**  
Gender: **Male**  
Source ID: **D238769**  
Ethnicity: **Caucasian**  
ABO Type: **B Pos**

**Donor Testing Panel Results:** Negative for all the donor screening tests performed

The following donor screening tests have been performed:

#### Serological Testing:

- ABO/Rh
- Syphilis
- Antibody Screen
- Anti-CMV (if requested)

#### Infectious Disease:

- 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

Released By: \_\_\_\_\_