DATA SHEET
Human Adult Monocyte Derived Dendritic Cells - Frozen Vial

Catalog number:   PB010C-1
Lot:           13032532
Description: Frozen vial of 2 x 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°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: Linage negative (CD3-, CD56-, CD19-, CD66b+), CD45+, CD1c+, CD14^{low}, CD11b^+, CD11c^+, HLA-DR^+, CD86^+, CD80^{low}, CD83^+, CD16^{low}, CD33^{low}, CD163^+, CD68^+, CD206^+
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.
Certificate of Analysis

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Cell Purity: 95.61%
Cell Viability: 95.65%
Cryo Date: January 6th 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
- Trypanosoma cruzi Antibody