

Certificate of Analysis

Healthy Human Monocytes Derived Type 1 Macrophages - Cryopreserved Vial

Catalog number: PBM1C-MON-1

Lot: 14035000

Description: Type 1-Macrophages (M1) were derived from purified Monocytes. CD14 monocytes were positively selected via immunomagnetic beads and were cultured in the presence of GM-CSF for 7 days. The M1 phenotyping was confirmed by morphology and the expression of specific biomarkers which monitored by flow cytometer. The cells were harvested after 7 days of *in vitro* culture and cryopreserved in cryostor CS10 (BioLife Solution, Seattle, WA) using programmed freezing.

Instructions: Either prepare cells for long term frozen storage in Liquid Nitrogen vapor phase or use upon arrival.

Principle BioMarkers: Lineage Negative (CD3⁻, CD56⁻, CD19⁻, CD66b⁻, data not shown), CD14⁺, CD45⁺, CD11b⁺, CD11c⁺, HLA-DR⁺, CD80^{Low}, CD83⁻, CD86⁺, CD16⁺, CD33⁺, CD68⁻, CD163^{Low}, CD206⁺

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

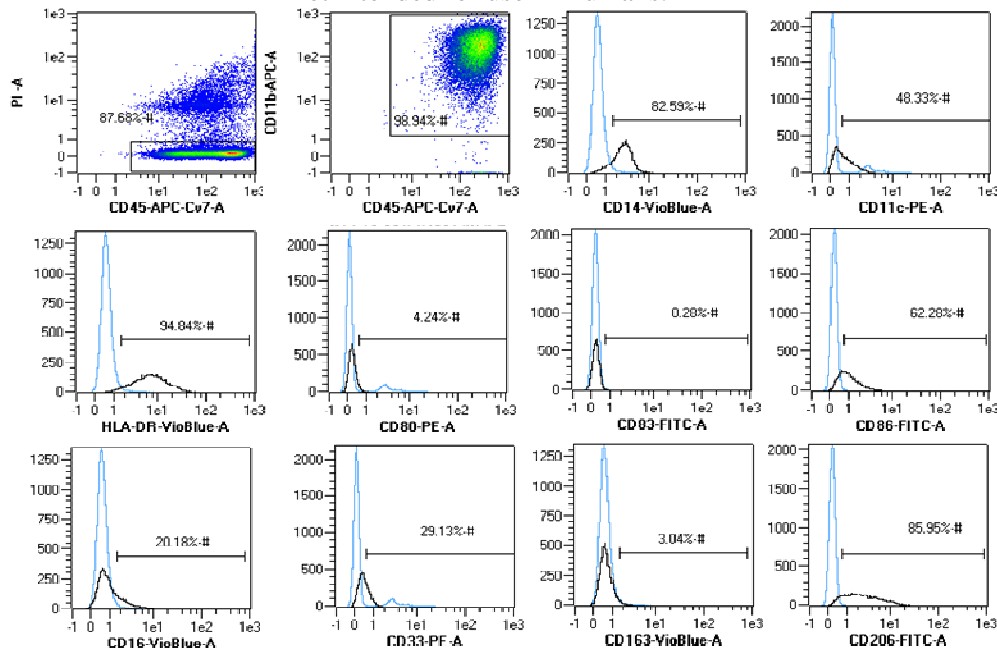


Figure 1. Type 1 Macrophages were gated on PI negative, CD45⁺, CD11b⁺ cells. The light blue lines are the isotype controls. The stainings of Type 1 Macrophages are noted by the black overlay.



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Cell Viability: 87.68%

Cell Purity: 98.94%

Donor Information:

Source ID: **D269941**

Ethnicity: **Hispanic**

Age: **21**

ABO Type: **O Pos**

Gender: **Male**

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