

## Certificate of Analysis

### **Human Adult Purified CD3<sup>+</sup> T-Cell Receptor Gamma/ Delta<sup>+</sup> Cells - Cryopreserved Vial**

|                    |  |
|--------------------|--|
| Catalog number:    | PB03NC-TCRG/D-1 (10 x 10 <sup>6</sup> cells/vial)  |
| Lot Number:        | 15037799   |
| Source ID:         | D305620  |
| Description:       | CD3 <sup>+</sup> T-cell receptor $\gamma/\delta^+$ (TCR $\gamma/\delta^+$ ) cells were negatively selected via immunomagnetic bead separation from a leukopheresis collection. After isolation, the CD3 <sup>+</sup> TCR $\gamma/\delta^+$ cells were tested for purity and viability by flow cytometry. The CD3 <sup>+</sup> TCR $\gamma/\delta^+$ cells were cryopreserved in Cryostor CS10 (BioLife Solution, Seattle, WA) using a CoolCell (BioCision, San Diego, CA) freezing container, and stored in the vapor phase of liquid nitrogen. The cells are also available in a freshly isolated, non-frozen format. |
| Source:            | Freshly collected Leukopak from HemaCare (Cat # PB001F-1)  |
| Instructions:      | Upon arrival, either prepare cells for long term frozen storage in Liquid Nitrogen vapor phase or thaw for further experiments.  |
| Principle Markers: | CD45 <sup>+</sup> , TCR $\gamma/\delta^+$  |
| Biosafety:         | Cells should be handled biohazardous 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:**

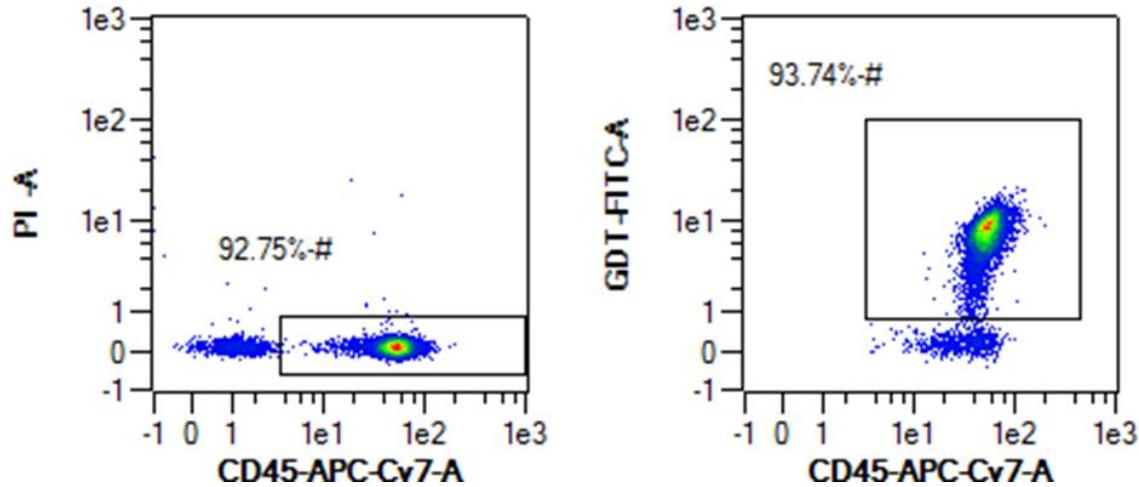
- Hepatitis B Core Antibody (Anti-HBc EIA)
- Hepatitis B Surface Antigen (HBsAg EIA)
- Hepatitis C Virus Antibody (Anti-HCV EIA)
- Human Immunodeficiency Virus Antibody (HIV 1/2 plus O)
- Human T-Lymphotropic Virus Antibody (HTLV-I/II)
- HIV-1/HCV/HBV Nucleic Acid Testing
- WNV Nucleic Acid Testing
-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

## Certificate of Analysis

### Human Adult Purified CD3<sup>+</sup> T-Cell Receptor Gamma/ Delta<sup>+</sup> Cells - Cryopreserved Vial

Catalog Number: PB03NC-TCRG/D-1 (10 x 10<sup>6</sup> cells/vial)      Lot Number: 15037799

#### Flow Cytometry Analysis



Viability is 99.55% based on FSC/PI- staining pre-cryopreservation (not shown)

#### Surface Marker Summary

|                                     |  |
|-------------------------------------|--|
| CD45 <sup>+</sup> , PI <sup>-</sup> | TCR $\gamma/\delta$ <sup>+</sup> T-cells |
| 92.75%                              | 93.74%                                   |

#### Donor Demographics and Lot Specific Information

| Source ID | Age | Gender | Ethnicity       | Blood Type | Cryopreservation Date |
|-----------|-----|--------|-----------------|------------|-----------------------|
| D305620   | 32  | Female | Hispanic/Latino | B Pos      | September 14, 2015    |

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