



## Certificate of Analysis

### Human Adult Purified CD56<sup>+</sup> Natural Killer Cells - Cryopreserved Vial

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Catalog number:	PB56NC- 1 (5 x 10 <sup>6</sup> cells/vial)
Lot Number:	15703065
Source ID:	D205846
Description:	CD56 <sup>+</sup> natural killer (NK) cells were negatively selected via immunomagnetic bead separation from a leukopheresis collection. After isolation, the CD56 <sup>+</sup> NK cells were tested for purity and viability by flow cytometry. The CD56 <sup>+</sup> NK cells were then 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 (Cat# PB001F-1) from HemaCare
Storage Conditions:	Prepare cells for long term frozen storage in Liquid Nitrogen vapor phase or thaw for further experiments.
Principle Markers:	CD45 <sup>+</sup> , CD56 <sup>+</sup> , CD3 <sup>-</sup>
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



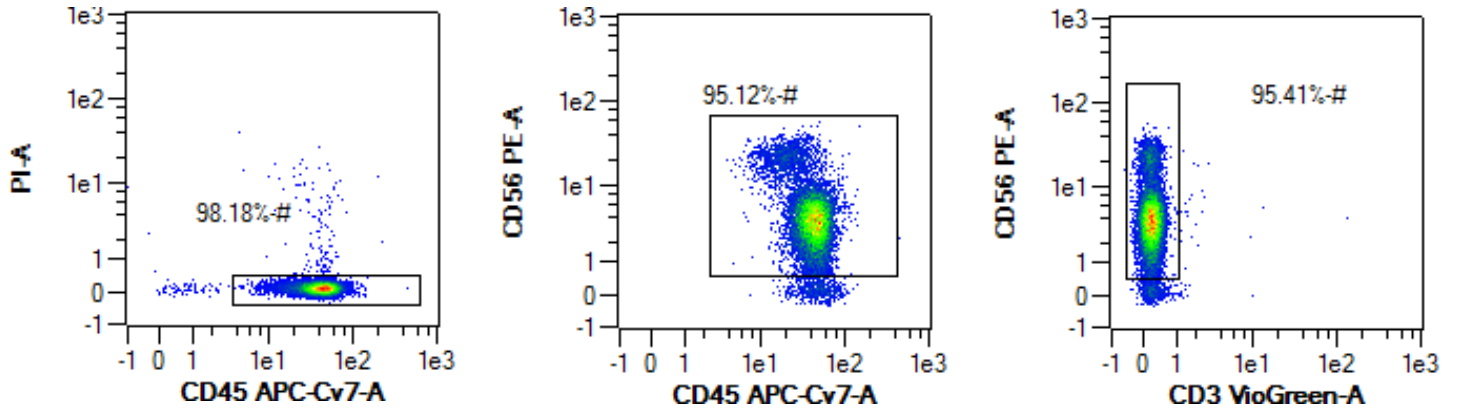
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#### Flow Cytometry Analysis



#### Surface Marker Summary

PI CD45 <sup>+</sup>	CD56 <sup>+</sup> Cells	CD3/CD56 <sup>+</sup> Cells
98.18 %	95.12 %	95.41 %

#### Donor Demographics and Lot Specific Information

Source ID	Age	Gender	Ethnicity	Blood Type	Cryopreservation Date
D205846	42	Female	Hispanic/Latino	A-Pos	December 31, 2015

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

Released by:

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