

Certificate of Analysis

| | |
|-------------------|---|
| Cell count | 36 million per vial |
| Viability | 95% |
| CD3+ | 65.4% |
| CD19+ | 6.2% |
| CD14+ | 16.3% |
| CD11c+ | 22.8% |
| CD16+ | 7.1% |
| CD56+ | 8.5% |
| Sterility | Negative for Bacteria, Yeast, and Fungi |

Donor Information

| | |
|-----------------|------------|
| Donor ID | 455 |
| Age | 42 |
| Race | Caucasian |
| Gender | Female |
| Height | 64" |
| Weight | 170 |
| ABO Type | O Positive |

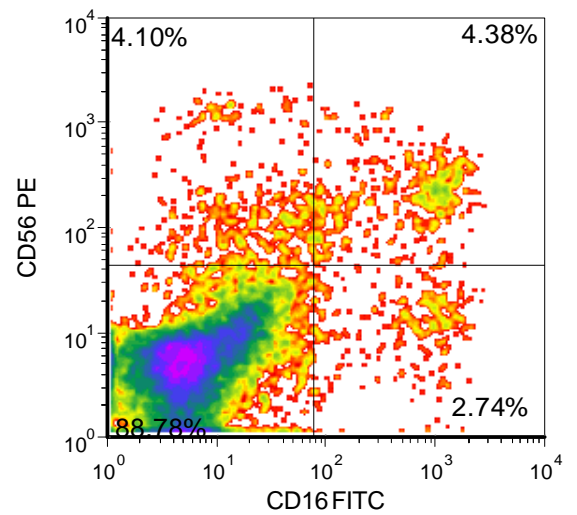
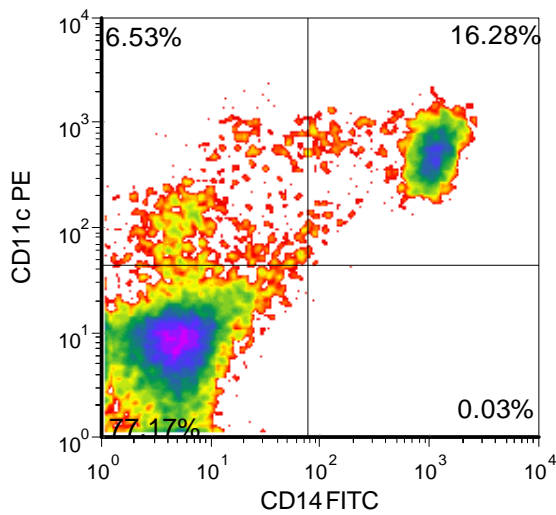
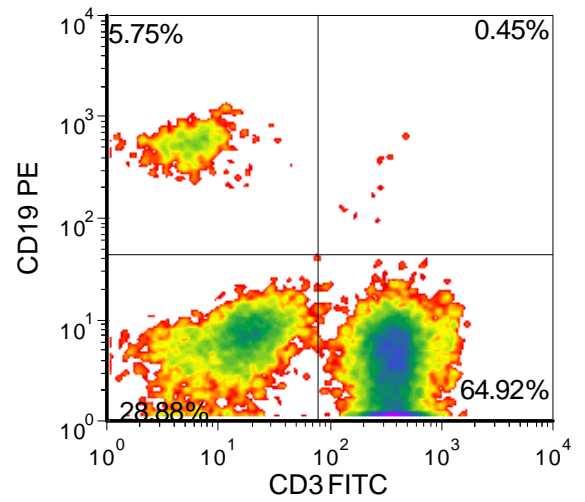
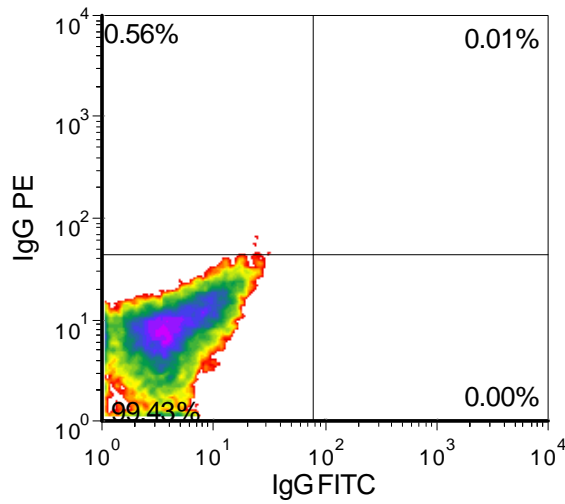
A typing

| | Allele 1 | Allele 2 |
|-----------------|-----------------|-----------------|
| HLA-A | 01 | 30 |
| HLA-B | 08 | 18 |
| HLA-C | 05 | 07 |
| HLA-DRB1 | 03 | 04 |

Note: Healthy donor taking no medications. She had osteosarcoma surgically removed in 2005.?

Donors are tested for the blood borne pathogens HIV-1 and 2, Hepatitis B, Hepatitis C and HTLV-1 and are negative. Cells should still be handled as if potentially infectious following biosafety level 2 procedures

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE



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Peripheral Blood Mononuclear Cells
Catalog Number: 1000
Lot Number: 4163JA19

Lot Specific Recall Antigen Response

| | Interferon gamma | TNF alpha |
|------------------------|-------------------------|------------------|
| Media Control | 11 | 5 |
| Tetanus Toxoid | 5804 | 30 |
| PHA | 682190 | 840 |
| LPS | 28719 | 913 |
| Cytomegalovirus | 4 | 6 |

Values are pg/mL of culture medium collected 4 days after stimulation with antigen or mitogen

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