T Regulatory Cells (Tregs)
Catalog Number: 1042
Lot Number: 4459SE19

# Certificate of Analysis

| | |
|---|---|
| **Cell count** | 1.9 million per vial |
| **Viability** | 95% |
| **CD4+** | 99.7% |
| **CD4+CD25+** | 95.3% |
| **CD25+CD127-** | 92.2% |
| **% Suppression at 1:8 Treg:Effector Ratio** | 72 % |
| **Sterility Testing** | ***Negative for bacteria, and fungi*** |

## *Donor Information*

| | |
|---|---|
| **Donor ID** | 400 |
| **Sex** | Male |
| **Age** | 67 |
| **Race** | Caucasian |
| **Height** | 6'0" |
| **Weight** | 245 lbs |
| **ABO Type** | A posittive |

## *HLA typing*

| | **Allele 1** | **Allele 2** |
|---|---|---|
| **HLA-A** | 0201 | 6801 |
| **HLA-B** | 3901 | 4001 |
| **HLA-C** | 0319 | 0702 |
| **HLA-DRB1** | 0403 | 0801 |

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.**

**833-CELLERO - www.cellero.com - info@cellero.com**

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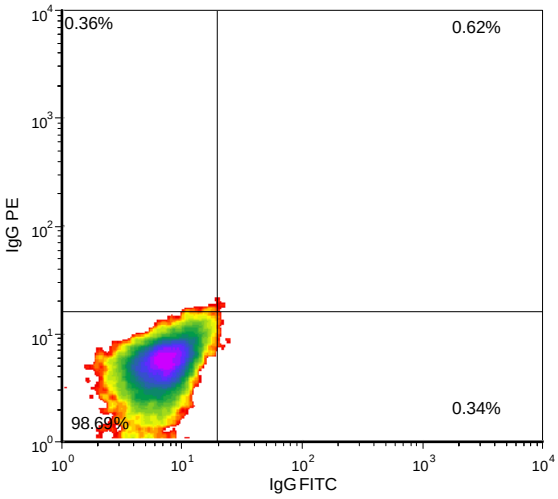


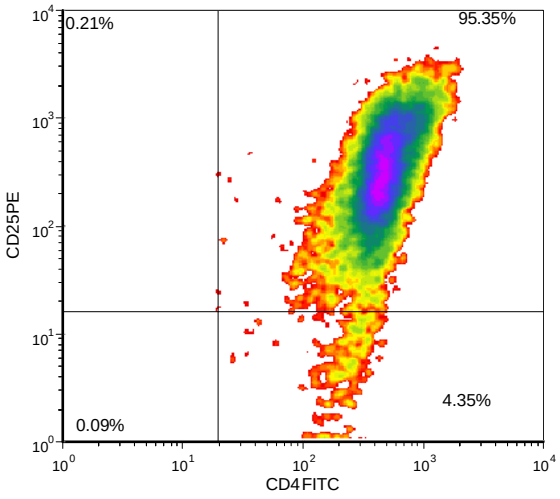


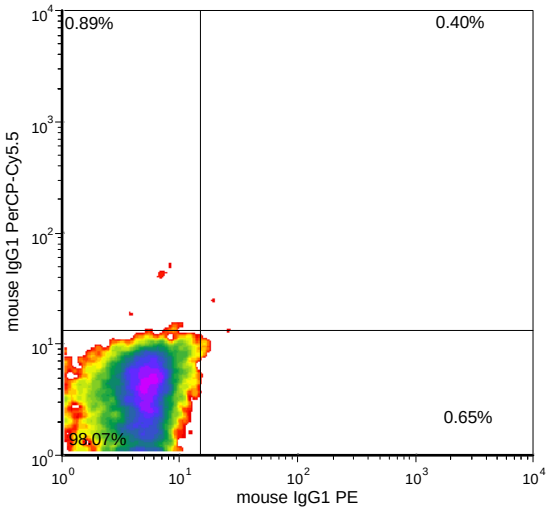


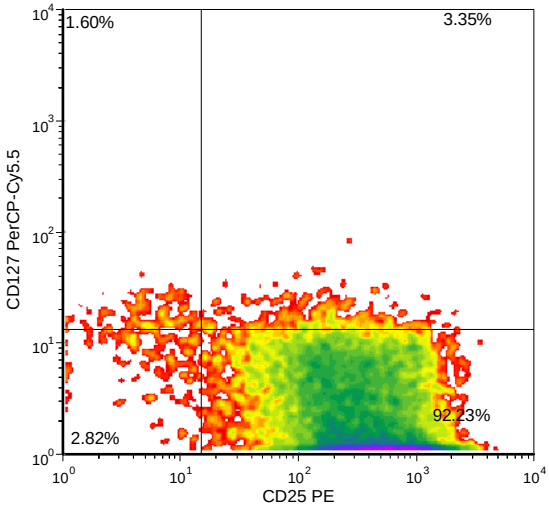

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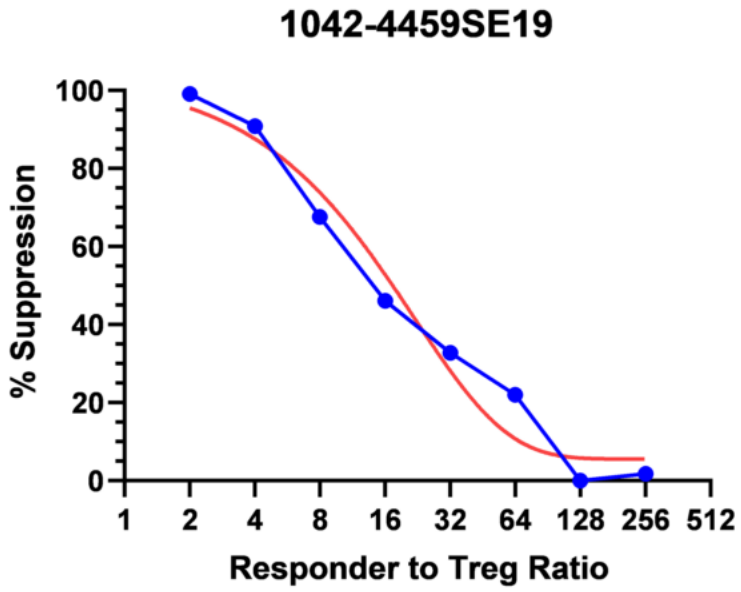


**Co-Culture of Tregs Resulted in Suppression of Anti- CD3-mediated CD8+ T Cell Proliferation of Allogeneic Peripheral Blood Mononuclear Cells (PBMCs)**. In short, in a 96 well plate, 250,000 CFSE-labelled allogeneic responder PBMC were plated/well in the presence of 0.2 μg/mL anti-CD3 and varying number of Tregs as shown in the chart above. The plate was incubated in a 37 deg C, 6% CO2 incubator. After 5 days of culture, individual wells were harvested and labelled with FITC-labelled anti-CD8 mAb. Data was acquired on a flow cytometer and the extent of proliferation (Division Index, DI) was analyzed using FCS Express 4.0. % Suppression = 100- (DI in the presence of Treg/DI in the absence of Treg) x 100.