HemaCare
A Charles River Company

Anti-HPV $E7_{11-19}$ T Cells, Donor 224
Catalog Number: 1099
Lot Number: 5171AU21

Certificate of Analysis

Cell Count	1.78 Million per vial
Viability	97%
CD8+	96.87%
Sterility Testing	Nagtive for Bacteria, Yeast, Fungi and Mycoplasma

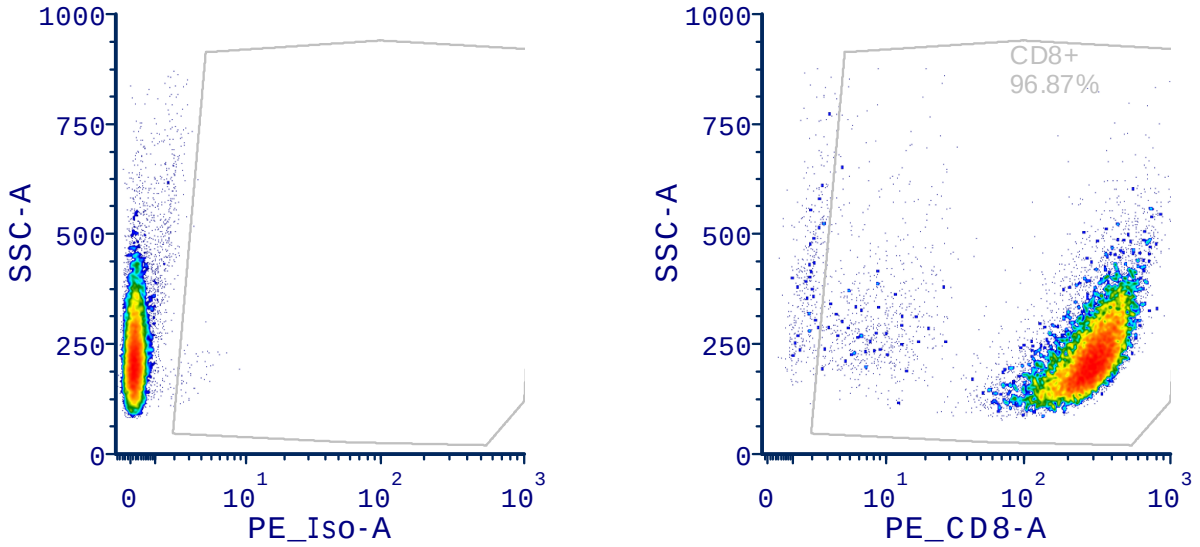
Donor Information

Donor ID	224
Age	52
Gender	Female
Race	Caucasian
Height	5'3"
Weight	180
ABO Type	B negative

HLA Typing

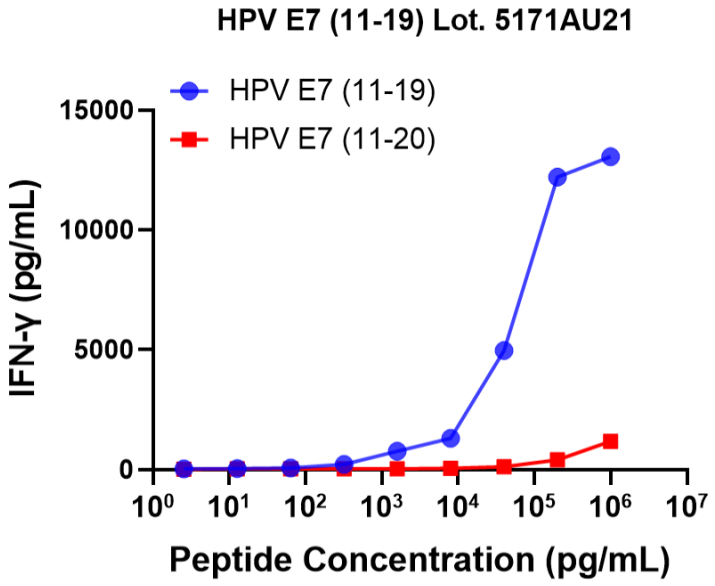
	Allele 1	Allele 2
HLA-A	*0201	*0201
HLA-B	*07	*15
HLA-C	*03	*07
HLA-DRB1	*13	*15

Donors are tested for the blood bourne 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.



CD8+ T cell population (as compared to isotype)

IFN-gamma Secretion



20,000 T cells were plated in a 96-well round-bottom plate alone or in the presence of 20,000 T2 cells, a B-LCL expressing HLA-A*0201) alone or in the presence of increasing concentrations HLA-A*0201 restricted HPV/E7$_{11-20}$ peptide (YMLDLQPETT) or HLA-A*0201 restricted HPV/E7$_{11-19}$ peptide (YMLDLQPET). Culture medium used in this assay is RPMI1640 + 10% FBS. After an overnight (18-24h) incubation period, supernatant was collected from each well. IFN-γ concentration was analyzed using the Meso Scale Discovery IFN-γ assay.