

## Certificate of Analysis

Cell count	1.8 million per vial
Viability	94%
CD8+	94%
CD8+CMV Tetramer+	0.4%
CD8+E711-20 Tetramer+	90.7%
Sterility	Negative for Bacteria, Yeast, Fungi and Mycoplasma

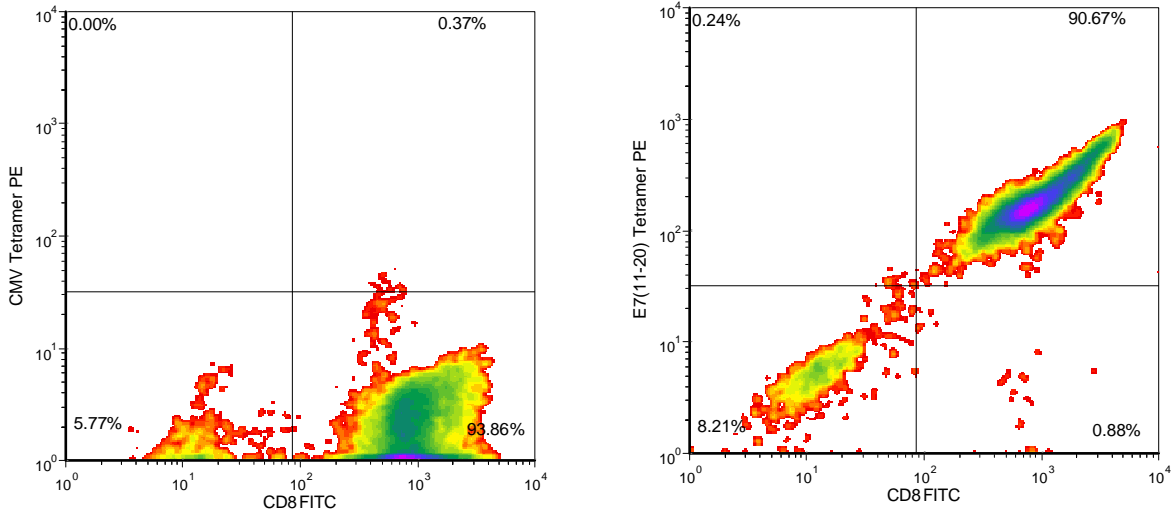
### *Donor Information*

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

### *HLA typing*

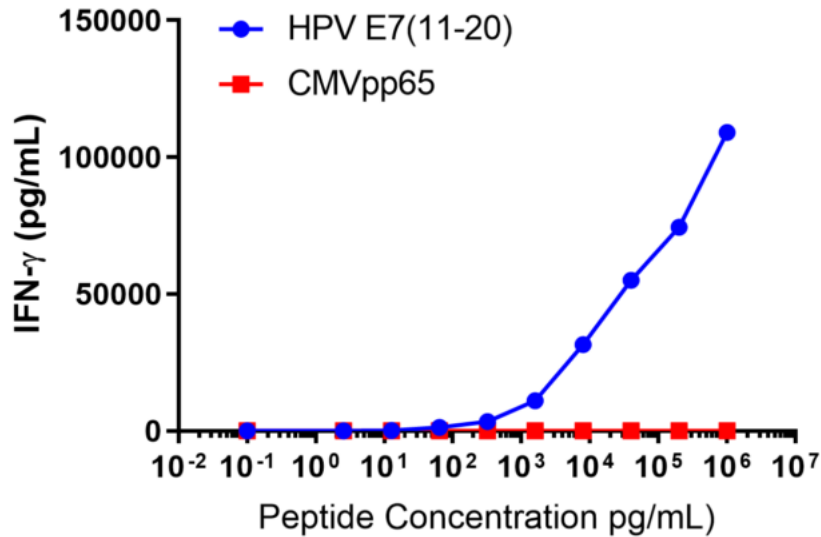
	Allele 1	Allele 2
HLA-A	*0201	*0201
HLA-B	*07	*15
HLA-C	*03	*07
HLA-DRB1	*13	*15

Donors are tested for the blood 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



E7(11-20) tetramer = HPV E7(11-20 peptide: YMLDLQPETT) HLA-A\*0201-PE iTag MHC Tetramer (MBL International, Woburn, MA);  
 CMV tetramer = CMVpp65 peptide ((NLVPMVATV)/ HLA-A\*0201-PE iTag MHC Tetramer (MBL International, Woburn, MA)

### 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 CMVpp65 peptide ((NLVPMVATV) or HLA-A\*0201 restricted HPV/E7<sub>11-20</sub> peptide (YMLDLQPETT). After an overnight (18-24h) incubation period, supernatant was collected from each well. IFN- $\gamma$  concentration was analyzed using the Meso Scale Discovery IFN- $\gamma$  assay.