

Certificate of Analysis

Cell count	1.7 million per vial
Viability	92%
CD8+	99.7%
CD8+NegTetramer+	0.1%
CD8+CMVTetramer+	41.5%
Sterility	Negative for Bacteria, Yeast and Fungi
Mycoplasma	Negative

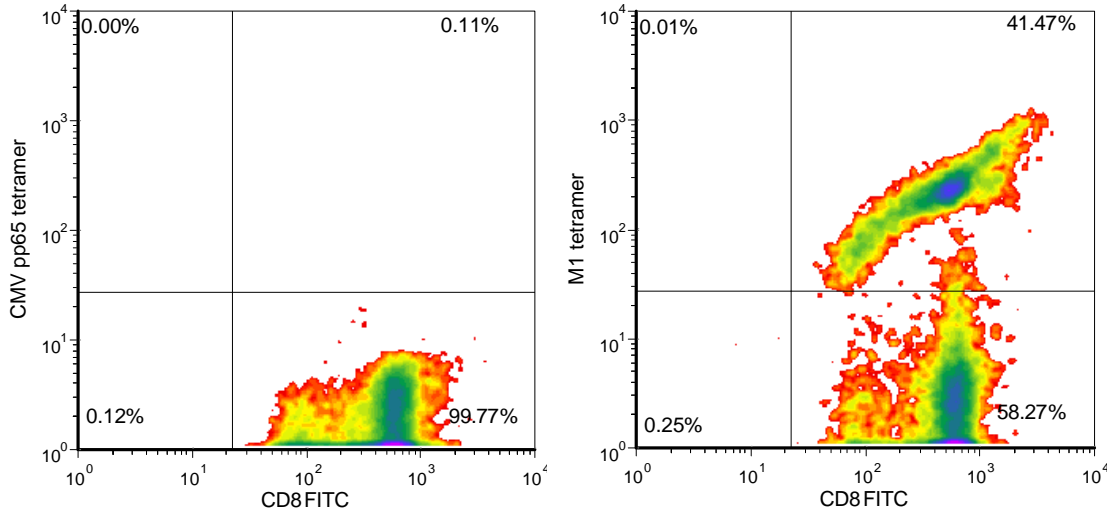
Donor Information

Donor ID	355
Age	22
Gender	male
Race	Caucasian
Height	6'4"
Weight	315
ABO Type	O positive

HLA typing

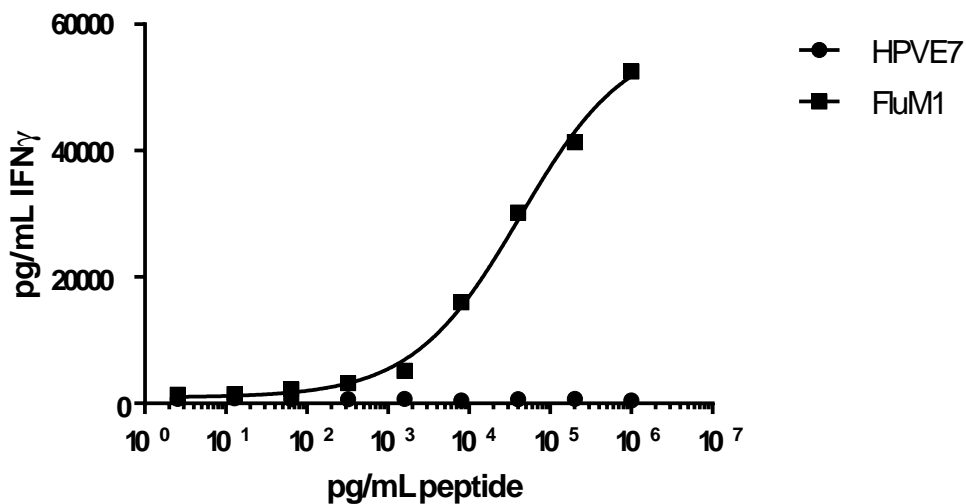
	Allele 1	Allele 2
HLA-A	*01	*02
HLA-B	*07	*08
HLA-C	*07	*07
HLA-DRB1	*03	*15

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



M1 tetramer = Influenza matrix protein (58-66 peptide: GILGFVFTL) HLA-A*0201-PE iTag MHC Tetramer (MBL International, Woburn, MA); CMV pp65 tetramer = CMV pp65 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 OF HLA-A*0201 restricted influenza matrix peptide (GILGFVFTL) or HLA-A*0201 restricted HPV/E7(11-20) peptide (YMLDLQPETT). 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.

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