

Certificate of Analysis

Cell Count	1.6 Million per vial
Viability	94%
CD8+	99.04%
CD8+ Neg Tetramer+	3.52%
CD8+ MART-1 Tetramer+	40.31%
Sterility Testing	Negative for bacteria and fungi

Donor Information

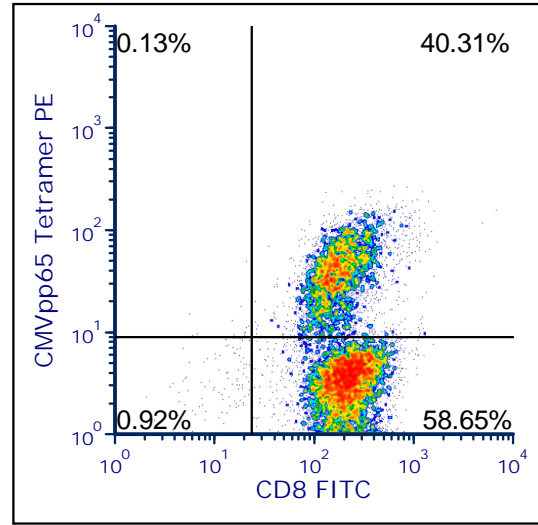
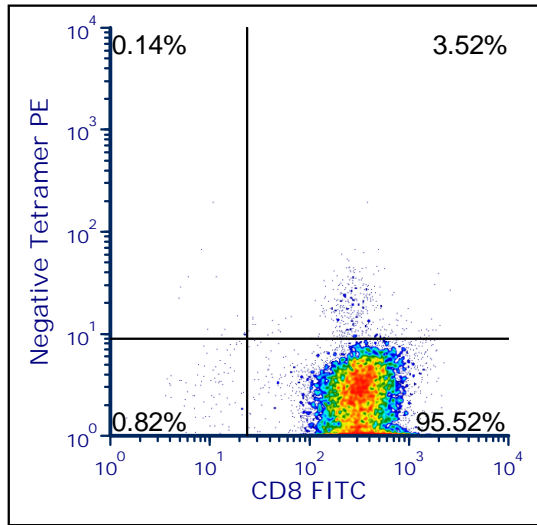
Donor ID	401
Gender	Female
Age	31
Race	Caucasian
Height	63 in
Weight	277 lbs
ABO Type	A negative

HLA Typing

	Allele 1	Allele 2
HLA-A	02:01	02:01
HLA-B	18:01	40:01
HLA-C	03:04	07:01
HLA-DRB1	08:01	12:01

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.

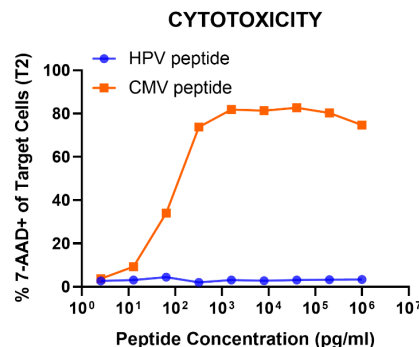
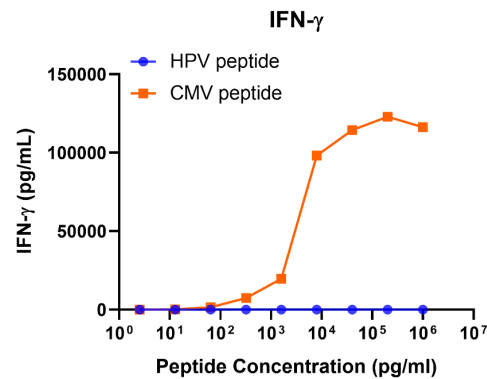
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Negative tetramer = HLA-A*0201-PE iTag MHC Tetramer (MBL International, Woburn, MA); CMV tetramer = CMV pp65 peptide (NLVPMVATV)/ HLA-A*0201-PE iTag MHC Tetramer (MBL International, Woburn, MA)

Functional Assay

IFN- γ Secretion (Upper Figure) and Target Cell Cytotoxicity (Lower Figure) Reported After T Cell Co-Culture with Target Cells. 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 CMV pp65 peptide (NLVPMVATV) or HLA-A*0201 restricted HPV E711-20 (YMLDLQPETT). Culture media used is RPMI 1640 + 10% FBS. Supernatants were collected after 18-24 hours of incubation. IFN- γ concentration was analyzed using the Meso Scale Discovery IFN- γ assay (upper figure). The remaining cells in the wells were stained with the viability dye 7-AAD and the % dead target cells (T2) were analyzed in a flow cytometer (lower figure).



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