

Certificate of Analysis

Cell count	1.9 million per vial
Viability	94%
CD8+	99%
CD8+HPV/E7 Tetramer+	0.7%
CD8+MART-1 Tetramer+	96.1%
Sterility	Negative for Bacteria, Yeast, and Fungi

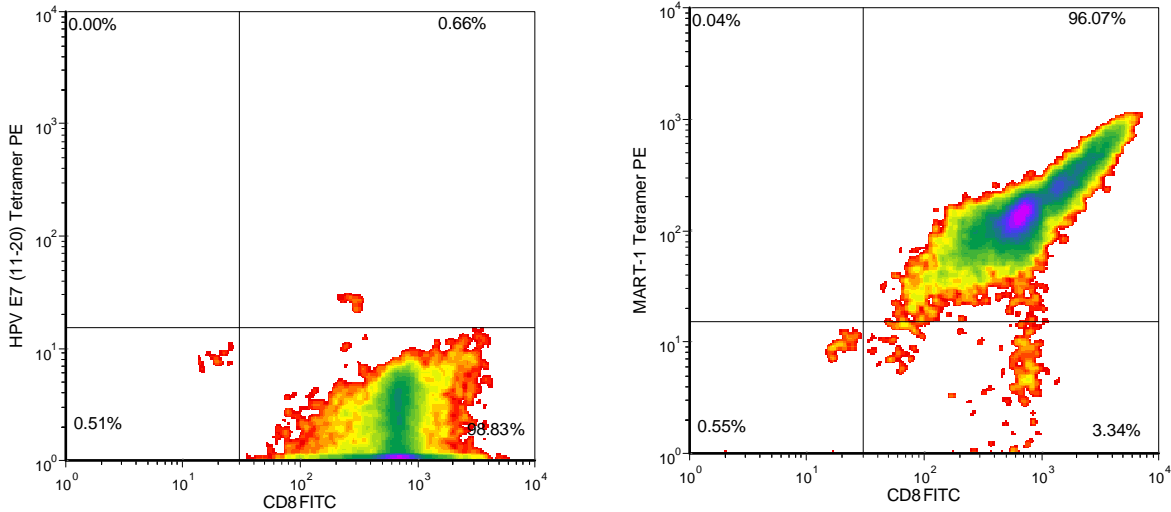
Donor Information

Donor ID	358
Age	52
Gender	Female
Race	Caucasian
Height	5'6"
Weight	230
ABO Type	O negative

HLA typing

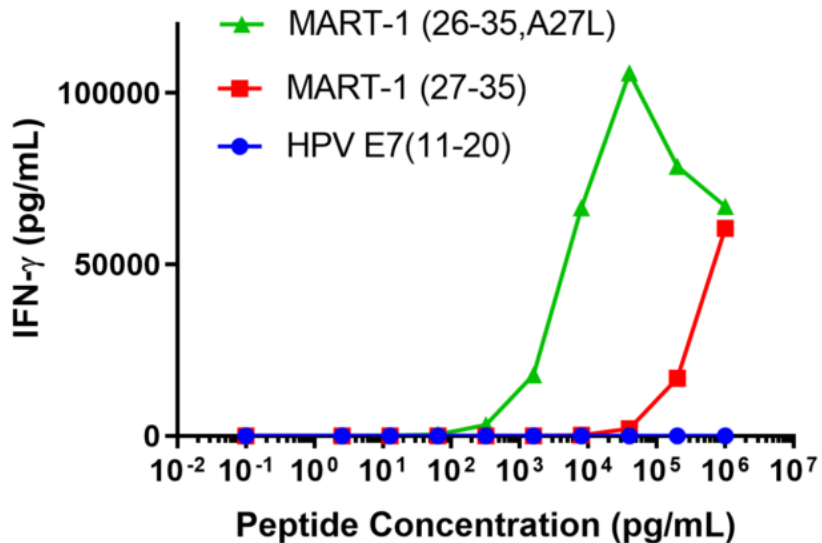
	Allele 1	Allele 2
HLA-A	*0201	*0201
HLA-B	*44	*15
HLA-C	*03	*05
HLA-DRB1	*0103	*0404

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



HPV E7(11-20) tetramer = HPV E7(11-20) peptide (YMLDLQPETT) HLA-A*0201-PE iTag MHC Tetramer (MBL International, Woburn, MA); MART-1 tetramer = MART-1₂₆₋₃₅ peptide (ELAGIGILTV)/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 native MART-1₂₇₋₃₅ nonamer peptide (AAGIGILTV), analog (A27L) MART-1₂₆₋₃₅ decamer peptide (ELAGIGILTV) or HLA-A*0201 restricted HPV E7₁₁₋₂₀ (YMLDLQPETT). IFN-γ concentration was analyzed using the Meso Scale Discovery IFN-γ assay.

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