

Certificate of Analysis

Cell count	2 million per vial
Viability	97%
CD8+	94%
CD8+NegTetramer+	0.7%
CD8+NYESO-1Tetramer+	40.5%
Sterility	Negative for Bacteria, Yeast and Fungi

Donor Information

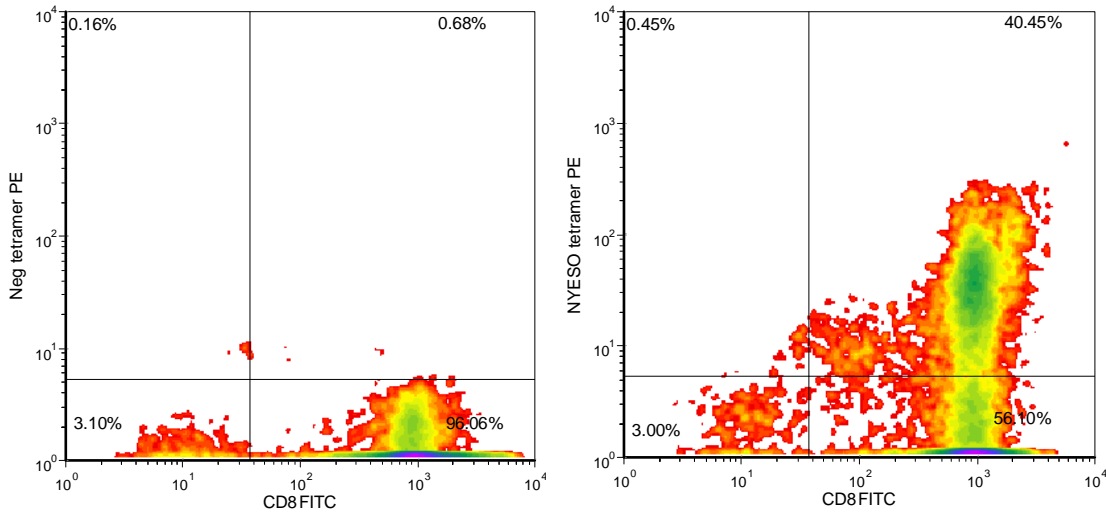
Donor ID	401
Age	29
Gender	Female
Race	Caucasian
Height	5'3"
Weight	277
ABO Type	A negative

HLA typing

	Allele 1	Allele 2
HLA-A	*0201	*0201
HLA-B	*18	*40
HLA-C	*03	*07
HLA-DRB1	*08	*12

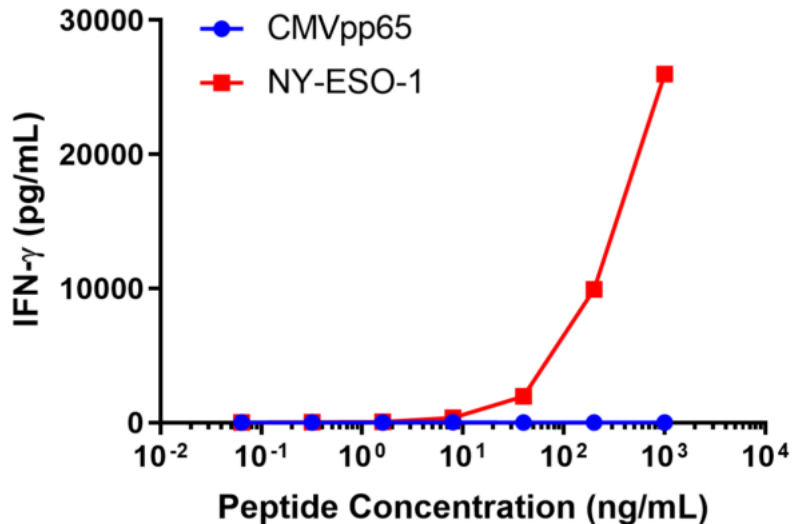
Donors are tested for the blood borne pathogens HIV-1 and 2, Hepatitis B, Hepatitis C and HTLV-1 and are negative. Cells should still be handled as if potentially infectious following biosafety level 2 procedures

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Negative tetramer = HLA-A*0201-PE iTag MHC Tetramer (MBL International, Woburn, MA); NY-ESO-1 tetramer = NY-ESO-1 peptide (SLLMWITQC)/ HLA-A*0201-PE iTag MHC Tetramer (MBL International, Woburn, MA)

IFN-gamma Secretion



20,000 T cells were plated post-thaw in a 96-well round-bottom plate 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 NY-ESO-1 peptide (SLLMWITQC) or HLA-A*0201 restricted CMVpp65 peptide (NLVPMVATV). 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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