



Anti HER2/neu (369-377) T Cells,  
Donor 396  
Catalog Number: 1126  
Lot Number: 4533DE19

### Certificate of Analysis

Live Cell count	1.6 million per vial
Viability	95%
CD8+	97%
CD8+ Neg Tetramer+	0.7%
CD8+HER2/neu Tetramer+	44.5%
Sterility	Negative for Bacteria, Yeast, and Fungi

### *Donor Information*

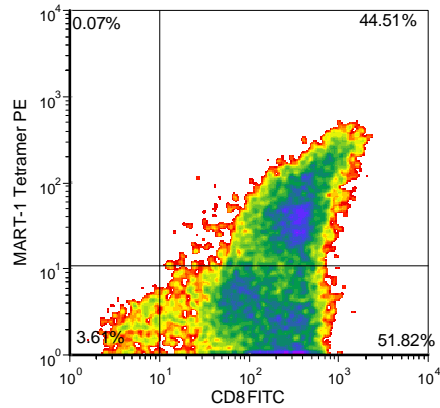
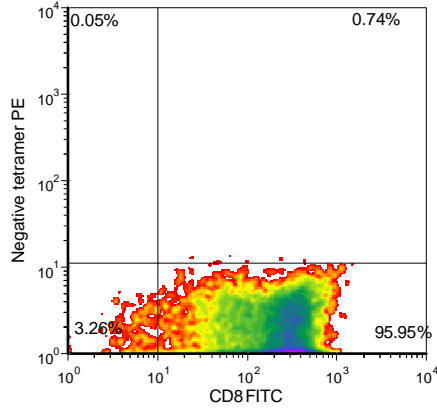
Donor ID	396
Age	48
Gender	Male
Race	Caucasian
Height	5'11"
Weight	245
ABO Type	A positive

### *HLA typing*

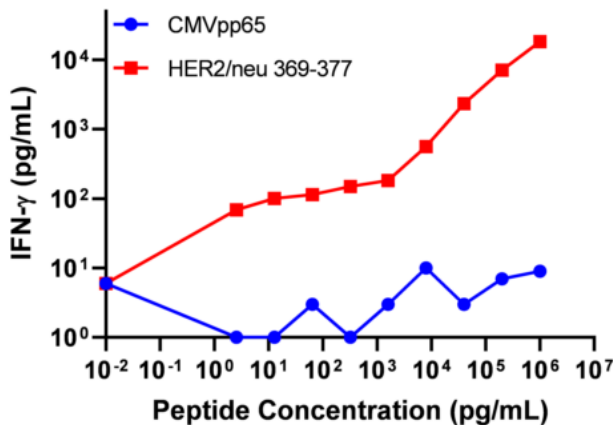
	Allele 1	Allele 2
HLA-A	*0201	*2402
HLA-B	*0702	*1501
HLA-C	*03	*05
HLA-DRB1	*0401	*1301

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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Neg tetramer = HLA-A\*0201-PE iTag MHC Tetramer (MBL International, Woburn, MA); HER2/neu tetramer = HER2/neu (396-377) peptide (KIFGSLAFL)/HLA-A\*0201-PE iTag MHC Tetramer (MBL International, Woburn, MA)

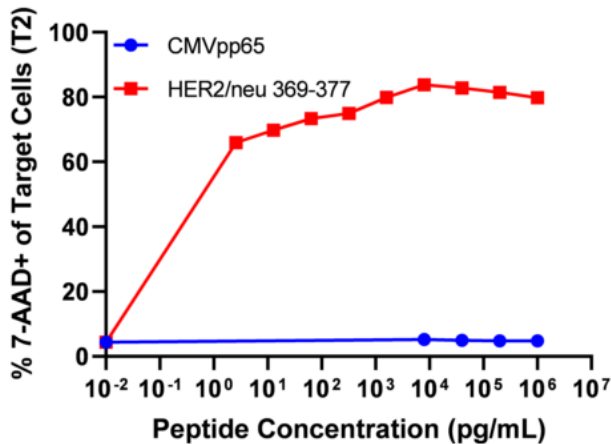


**Functional assay of anti-HER2/neu T cells.**

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 CMVpp65 peptide (NLVPMVATV) or HLA-A\*0201 restricted HER2/neu<sub>369-377</sub> (KIFGSLAFL). Assay media is RPMI-1640 + 10% FBS + 2 mM L-Glutamine.

Supernatants were collected after 18-24 hours or incubation. IFN- $\gamma$  concentration was analyzed using the Meso Scale Discovery IFN- $\gamma$  assay (upper figure).

The remaining cells were labelled with 7-AAD and analyzed for cell viability/death on a flow cytometer. Percent cytotoxicity, represented by % 7-AAD+ target cells (T2) is reported against peptide concentration (lower).



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