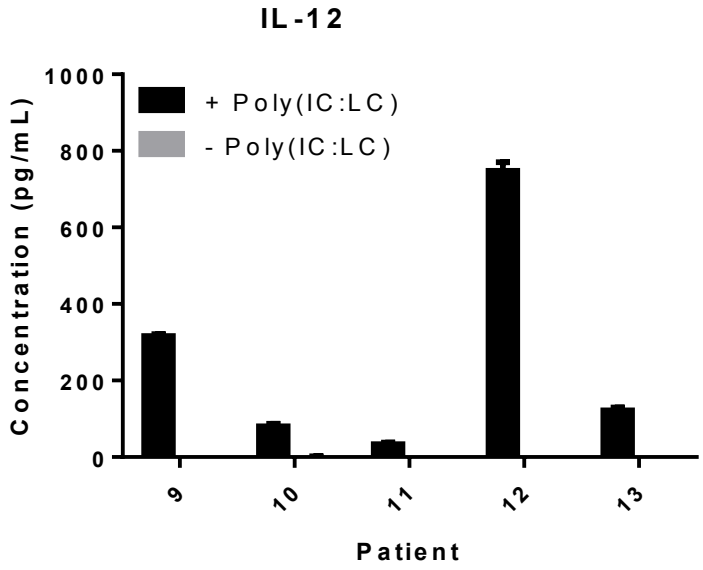
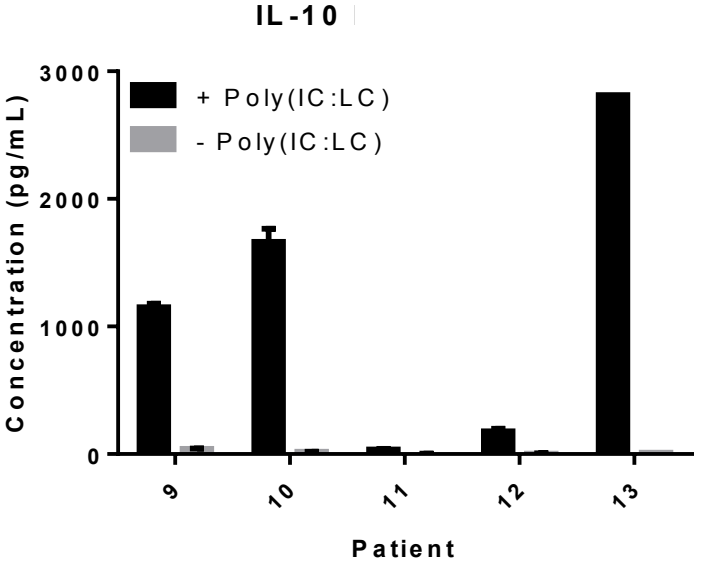


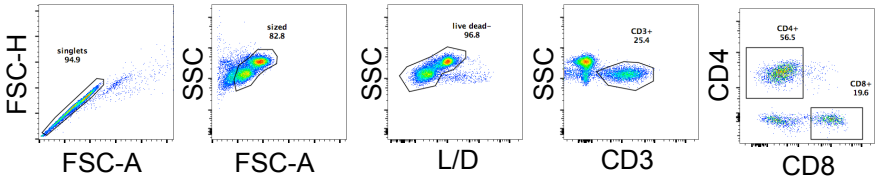


Supplementary Figure 1

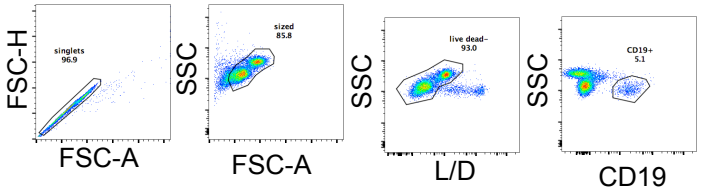
Study ID*	Registration date	Baseline Scan Date	Leukapheresis Date	Day 0	Date of Progression	Date of last clinic visit	Date of first non-protocol therapy	Date of Death	PFS date	PFS event	OS date	OS event
1	3/15/12	12/19/11	2/10/12	3/15/12	5/11/12			7/18/12	5/11/12	1	7/18/12	1
2	4/25/12	2/22/12	3/22/12	4/25/12		4/30/12		5/23/12	5/23/12	1	5/23/12	1
3	5/30/12	4/11/12	4/20/12	5/30/12	6/14/12			6/23/12	6/14/12	1	6/23/12	1
4	9/26/12	8/7/12	8/22/12	9/26/12	11/21/12		12/19/12	2/27/13	11/21/12	1	2/27/13	1
5	10/26/12	10/1/12	10/26/12	12/4/12	3/13/13		3/26/13	11/19/13	3/13/13	1	11/19/13	1
6	11/1/12	10/23/12	11/9/12	12/12/12	2/6/13		2/12/13	8/29/13	2/6/13	1	8/29/13	1
8	12/12/12	11/21/12	12/13/12	1/16/13		2/1/13		2/9/13	2/9/13	1	2/9/13	1
9	2/22/13	2/18/13	3/1/13	4/10/13				5/10/13	5/10/13	1	5/10/13	1
10	6/20/13	6/20/13	6/21/13	7/24/13	2/26/14		12/18/13	7/19/14	2/26/14	1	7/19/14	1
11	6/26/13	5/29/13	7/3/13	8/6/13		1/13/14	11/18/13	4/2/14	11/18/13	0	4/2/14	1
12	7/9/13	6/18/13	7/12/13	8/14/13	10/9/13			5/10/14	10/9/13	1	5/10/14	1
13	7/30/13	7/19/13	8/1/13	9/10/13		12/2/12		5/25/16	5/25/16	1	5/25/16	1

Supplementary Figure 2

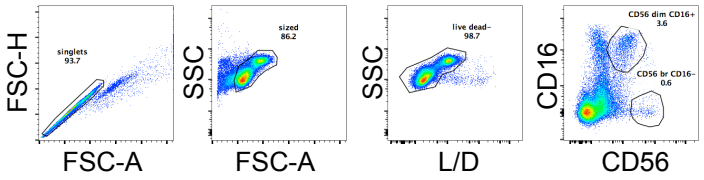
A) **Gating Strategy for CD4 and CD8 T cells**



B) **Gating Strategy for CD19 B cells**



C) **Gating Strategy for NK cells**



Supplementary Figure 3

Supplementary Figure Legends

***Supplementary Figure 1*: Cytokine secretion by DCs.** Frozen DCs obtained from patients were thawed and cultured with GM-CSF/IL-4 overnight before adding poly (IC:LC) for maturation overnight. The supernatant was collected after 16 hrs. and evaluated for cytokines IL12 (*upper panel*), and IL10 (*lower panel*) as per the manufacturer's protocol.

***Supplementary Figure 2*: PFS and OS details.** The raw data showing details of progression free survival (PFS) and the median overall survival (OS) is presented in tabular form.

***Supplementary Figure 3*: Gating scheme for flow cytometry analysis.** PBMC was obtained from patients post vaccination and cryopreserved cells were stained using the multiple fluorochrome-conjugated antibodies. Cells were gated based on singlets (FSC-A vs FSC-H), size (SSC vs FSC-H), a live-dead stain (L/D), and subsequently markers to determine specific cell phenotypes. **A)** $CD3^+$ T cells were phenotyped for CD4 and CD8. **B)** CD19 B cells were identified. **C)** NK cells were identified based on their CD56 and CD16 expression. The data was acquired using BD FACS Aria and analyzed using FlowJo software.