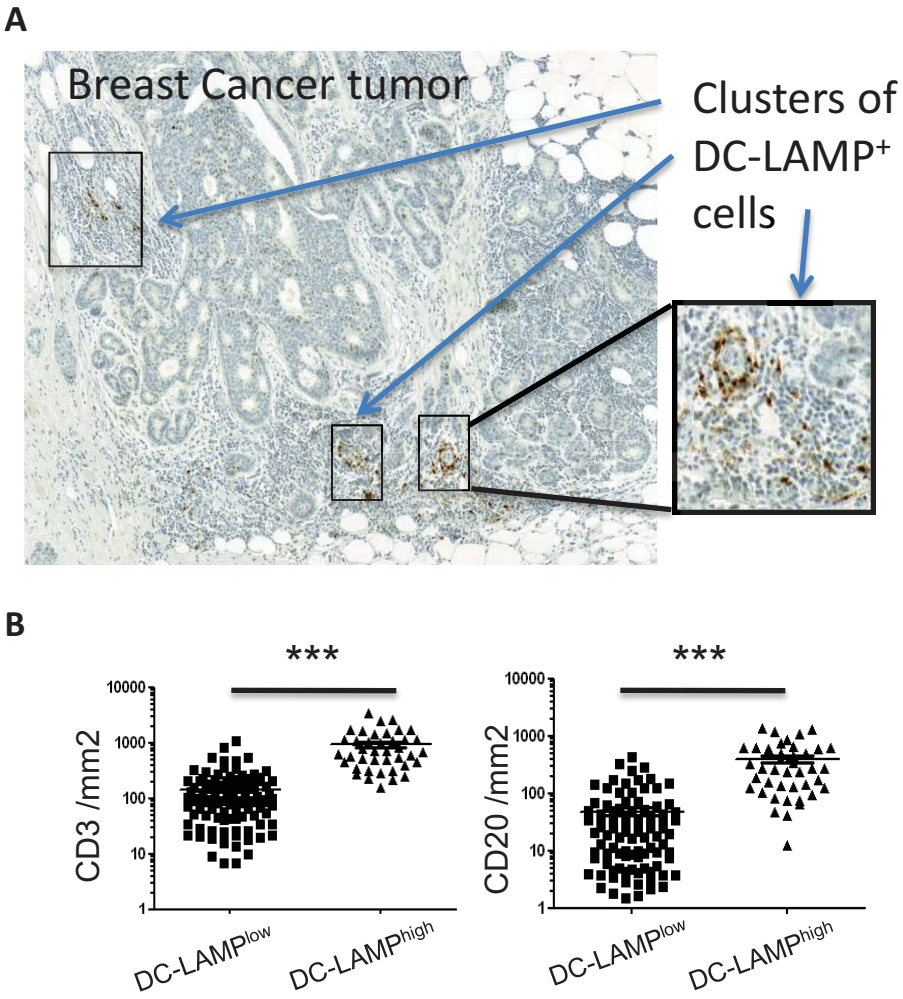
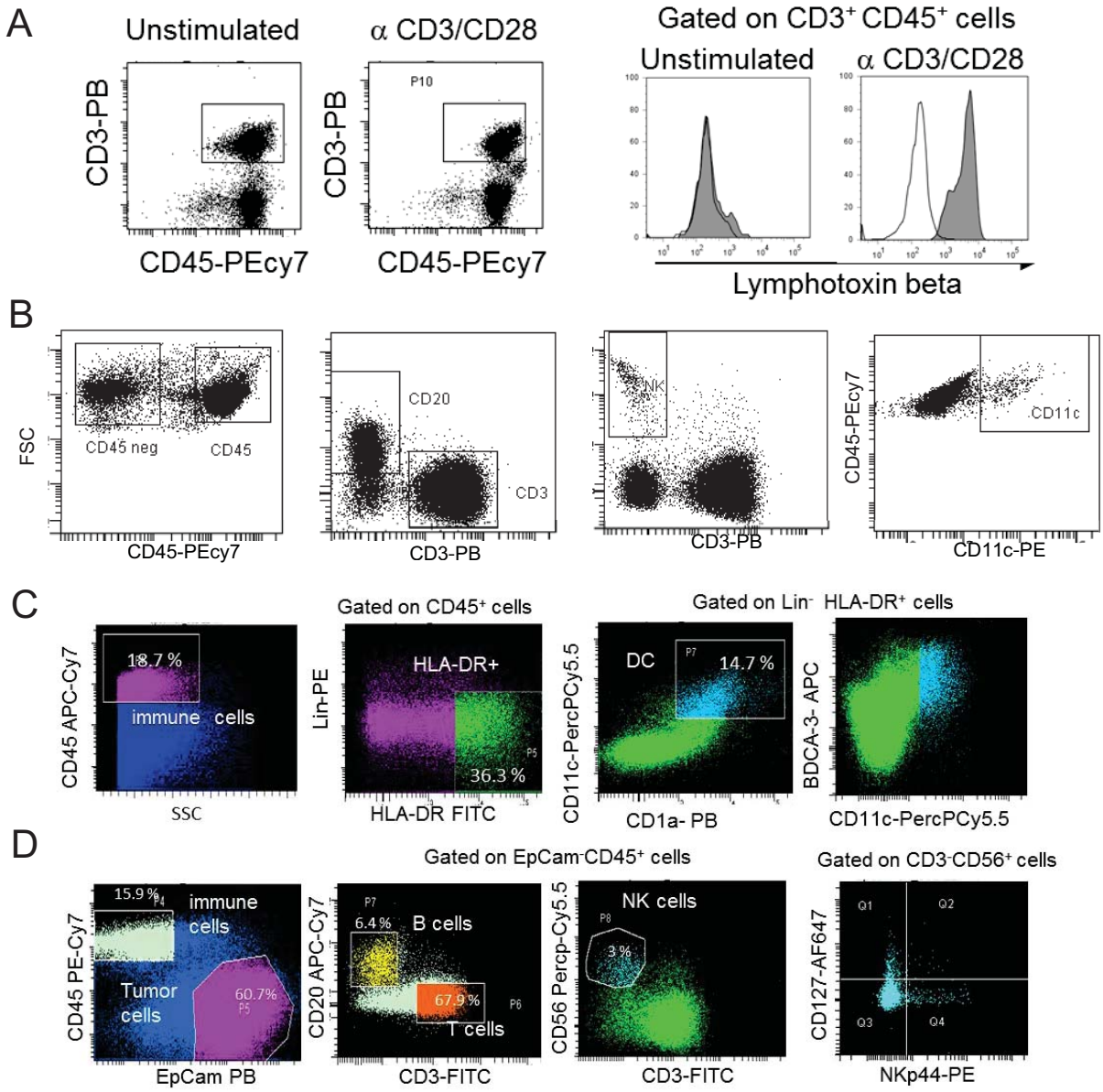


Supplemental Figure 1. Breast cancer infiltrating DC-LAMP$^+$ DCs correlate with CD3+ T cells and CD20+ B cells infiltration. (**A**) Representative image of breast tumor stroma immunostained with DC-LAMP, illustrating how the optical quantification of DC-LAMP$^+$ cells clusters was conducted. (**B**) Graphs showing that the density of CD3$^+$ and CD20$^+$ cells is significantly higher in breast tumors with a high density of DC-LAMP+ DCs clusters (n=146). *** p <0.001; Mann Whitney test.



Supplemental Figure 2. Flow cytometry and cell sorting analyses. (**A-B**) Flow cytometry analysis of lymphotoxin β expression on activated T cells and cell populations from HEV^{high} breast tumor samples. (A) Histograms showing the expression of LTβ (filled histogram) or isotype match control (open histogram) at the cell surface of CD45$^+$ CD3$^+$ T cells, isolated from healthy donor peripheral blood mononuclear cells and stimulated or not for 48hr with anti-CD3/anti-CD28 coated beads (n=3 independent experiments). (B) Representative dot plots showing the gating strategy used to analyse LTβ expression on CD45$^-$ tumor cells, CD3$^+$ T cells, CD20$^+$ B cells, CD3$^-$ CD56$^+$ NK cells and CD11c$^+$ DCs in HEV^{high} breast tumor samples (n=9). LTβ staining on these cell populations is shown in Fig. 2A. (**C-D**) Flow cytometry dot plots showing the gates used to isolate HLA-DR$^+$CD11c$^+$CD1a$^+$ mature DCs (C), EpCAM$^+$ tumor cells, CD3$^+$ T cells, CD20$^+$ B cells, and CD3$^-$ CD56$^+$ NK cells (D).

Supplemental Table 1: Disease-free and overall survival among breast cancer patients (n=146)

	N	*%*	Disease-free survival Evt/N	S(10y)	p	Overall survival Evt/N	S(10y)	p
Tumor size					**p<0.001**			**p<0.001**
<2 cm	**71**	**(48.6)**	16/ 71	0.788		11/ 71	0.811	
>=2cm	**75**	**(51.4)**	45/ 75	0.400		39/ 75	0.459	
Nodal status					**p<0.001**			**p=0.001**
Negative	**74**	**(50.7)**	19/ 74	0.752		13/ 74	0.803	
Positive	**72**	**(49.3)**	42/ 72	0.423		37/ 72	0.459	
Grade					*p=0.09*			p=0.14
I-II	**76**	**(52.1)**	27/ 76	0.652		22/ 76	0.666	
III	**70**	**(47.9)**	34/ 70	0.516		28/ 70	0.578	
ER status					p=0.16			*p=0.07*
Negative	**25**	**(17.7)**	13/ 25	0.501		12/ 25	0.479	
Positive	**116**	**(82.3)**	46/116	0.605		36/116	0.656	
Chemotherapy					p=0.10			*p=0.09*
No	**53**	**(36.3)**	18/ 53	0.683		13/ 53	0.718	
Yes	**93**	**(63.7)**	43/ 93	0.531		37/ 93	0.571	
CD3					p = 0.37			p = 0.74
Low (Grade 0-1)	**93**	**(62.7)**	41/ 93	0.566		33/ 93	0.602	
High (Grade 2-3)	**53**	**(36.3)**	20/ 53	0.618		17/ 53	0.662	
CD20					**p =0.02**			p = 0.07
Low (Grade 0-1)	**99**	**(67.8)**	48/ 99	0.522		39/ 99	0.585	
High (Grade 2-3)	**47**	**(32.2)**	13/ 47	0.725		11/ 47	0.702	
HEV					p = 0.15			p = 0.56
Yes	**105**	**(71.9)**	40/105	0.618		34/105	0.639	
No	**41**	**(28.1)**	21/ 41	0.505		16/ 41	0.581	
HEV/mm^2					**p = 0.01**			**p = 0.02**
Low	**97**	**(66.6)**	47/ 97	0.514		40/ 97	0.551	
High	**49**	**(33.3)**	14/ 49	0.731		10/ 49	0.773	
DC-LAMP					**p = 0.02**			**p = 0.02**
Low	**117**	**(81.8)**	55/117	0.535		46/117	0.574	
High	**26**	**(18.2)**	5/26	0.831		3/26	0.881	

ER : Estrogen Receptor

Supplemental Table 2 : List of antibodies used in the study

Immunofluorescence and immunohistochemistry

Antigen	Antibody	Dilution	Species	Retrieval method	Tissue fixative	Assay
MECA-79	MECA-79 (BD)	1/2	Rat IgM	95°C PH low	R, F, D	IH, IF
CD3	SP7 (Abcam)	1/100	Rabbit IgG	95°C PH low	R, F, D	IH, IF
CD3	F7.2.38 (Dako)	1/100	Mouse IgG	95°C PH low	R,F	IF
CD20	L26 (Beckman coulter)	1/100	Mouse IgG	95°C PH low	R, F, D	IH, IF
DC-LAMP	1010E1.01 (Dendritics)	1/50	Rat IgG	95°C PH high	F, D	IH, IF
Fascin	55K2 (Dako)	1/50	Mouse IgG	95°C PH low	R, F, D	IF
Foxp3	236A/E7 (Abcam)	1/50	Mouse IgG	95°C PH high	R, F	IH

R: RCL-2, F: Formalin, D: Dubosc. IH; Immunohistochemistry, IF: Immunofluorescence

Flow cytometry

Antigen	clone	fluorochrom	Isotype	species	Manufacturer
CD1a	HI149	Pacific Blue	IgG1	Mouse	Bio legend
CD3	HIT3a	Pacific Blue	IgG2a	Mouse	Bio legend
CD3	UCHT1	FITC	IgG1	Mouse	Beckman Coulter
CD3	UCHT1	PE	IgG1	Mouse	Beckman Coulter
CD11c	B-Ly6	PE	IgG1	Mouse	BD bioscience
CD11c	3.9	Percp-Cy5.5	IgG1	Mouse	Biolegend
CD20	L27	APC-Cy7	IgG1	Mouse	BD bioscience
CD45	J.33	PC7	IgG1	Mouse	Beckman Coulter
CD45	HI30	APC-Cy7	IgG1	Mouse	Biolegend
CD45RA	HI100	Pacific Blue	IgG2b	Mouse	Biolegend
CD56	NKH-1	PC5	IgG1	Mouse	Beckman Coulter
CD56	HCD56	Percp-Cy5.5	IgG1	Mouse	Biolegend
BDCA-3	M80	APC	IgG1	Mouse	Biolegend
EpCAm	9C4	Pacific Blue	IgG2b	Mouse	Biolegend
HLA-DR	L243	FITC	IgG2a	Mouse	BD bioscience