

**pplementary Table S1. (A)** Protocol descriptions of immunohistochemistry protocols used for immune cell quantifications and architectural evaluation of B-cell compartments of lymph node tissues.

Antigen	CD19	CD20	CD138	CD23	PD-1	Ki67	CD3	CD68
<b>Manufacturer</b>	Zytomed	Dako	Zytomed	Neomarkers	CellMarque	Dako	Zytomed	Dako
<b>Clone</b>	LE-CD19	L26	B-A38	SP23	NAT105	MIB1	SP7	PGM1
<b>Species</b>	ms	ms	ms	ms	ms	ms	rb	ms
<b>Antibody Dilution</b>	1:1000	1:500	1:250	1:100	1:100	1:100	1:150	1:200
<b>Antigen Retrieval (°C)</b>	100	95	95	95	95	95	95	95
<b>Antigen Retrieval Reagent and incubation time (min)</b>	CC1 64	CC1 36	CC1 36	CC1 36	CC1 64	CC1 52	CC1 64	CC1 64
<b>Antibody incubation temperature (°C)</b>	36	37	37	37	36	37	37	37
<b>Antibody incubation time (min)</b>	32	20	32	20	16	32	32	32
<b>Amplification Kit Use</b>	no	no	no	no	no	no	no	no
<b>Ventana Hemalaun incubation time (min)</b>	4	4	4	4	4	4	4	4
<b>Ventana Bluing reagent incubation time (min)</b>	4	4	4	4	4	4	4	4

**(B)** Protocol descriptions of double staining immunohistochemistry protocols.

CD138/CD19	CD138	CD19	CD138/Ki67	CD138	Ki67
<b>Manufacturer</b>	Zytomed	Zytomed	<b>Manufacturer</b>	Zytomed	Cell Signaling
<b>Clone</b>	B-A38	LE-CD19	<b>Clone</b>	B-A38	D3B5
<b>Species</b>	ms	ms	<b>Species</b>	ms	rb
<b>Antibody Dilution</b>	1:200	1:100	<b>Antibody Dilution</b>	1:200	1:1000
<b>Antigen Retrieval (°C)</b>	120		<b>Antigen Retrieval (°C)</b>	120	
<b>Antigen Retrieval Reagent and incubation time (min)</b>	Citrat 1		<b>Antigen Retrieval Reagent and incubation time (min)</b>	Citrat 1	
<b>Antibody incubation temperature (°C)</b>	20	20	<b>Antibody incubation temperature (°C)</b>	20	20
<b>Antibody incubation time (min)</b>	720 (overnight)	120	<b>Antibody incubation time (min)</b>	720 (overnight)	60
<b>Amplification Kit Use</b>	no	no	<b>Amplification Kit Use</b>	no	no
<b>Chromogen</b>	DAB (Agilent)	HRP Green (Zytomed)	<b>Chromogen</b>	DAB (Agilent)	HRP Green (Zytomed)

**Supplementary Table S2.** Composition of the B-cell compartment score used for architectural evaluation of the lymph node B-cell maturation compartment (lymph follicles). Minimal score: 0; maximal score 8.

B-Cell Maturation Compartment Score	
<b>FDC-Networks</b>	<i>Category</i>
<i>Score 0</i>	FDC networks absent
<i>Score 1</i>	FDC networks nearly absent
<i>Score 2</i>	FDC slightly altered/depleted
<i>Score 3</i>	FDC networks not altered
<b>Germinal Center Proliferation Score</b>	<i>Category</i>
<i>Score 0</i>	No germinal centers present
<i>Score 1</i>	Proliferation fraction reduced (<90%)
<i>Score 2</i>	Proliferation fraction unaltered (>90%)
<b>T follicular helper cell (Tfh) Score</b>	<i>Category</i>
<i>Score 0</i>	TFH absent
<i>Score 1</i>	TFH strongly depleted
<i>Score 2</i>	TFH slightly depleted
<i>Score 3</i>	TFH not depleted