

Supplementary Table S4: Antibodies and reagens used for immunofluorescent or immunohistochemical staining

Antibodies used for Immunofluorescent staining	Antibody type	Clone name	Dilution	Source	Opal fluorophore and dilution
Primary antibodies					
Anti-CD4	Mouse Monoclonal	4B12	1:50	Leica Microsystems Ltd., Newcastle-upon-Tyne, UK	Opal-540 (1:100)
Anti-CD8	Mouse Monoclonal	4B11	1:100	Leica Microsystems Ltd., Newcastle-upon-Tyne, UK	Opal-620 (1:150)
Anti-CD20	Mouse Monoclonal	L26	1:100	Leica Microsystems Ltd., Newcastle-upon-Tyne, UK	Opal-690 (1:50)
Anti-CD69	Rabbit Monoclonal	EPR21814	1:500	Abcam Plc.,Cambridge, UK	Opal-650 (1:100)
Anti-Ki67	Mouse Monoclonal	MIB-1	1:100	Agilent Technologies LDA UK Ltd.Cheshire ,UK	Opal-620 (1: 150)
Anti-PD1	Mouse Monoclonal	NAT 105/E3	1:2	Kindly gifted by Dr G Roncador, CNIO, Madrid (Spain)	Opal-520 (1:50)
Anti-PD-L1	Mouse Monoclonal	22C3	ready to use	Agilent Technologies LDA UK Ltd.Cheshire ,UK	Opal-570 (1: 50)

Secondary antibodies

HRP-conjugated secondary polymer	DS9800			Leica Microsystems Ltd., Newcastle-upon-Tyne, UK	
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Antibodies used for Immunohistochemistry					
Anti-PD-L1	Rabbit monoclonal	E1L3N	1/200	Cell Signalling	