

Table S1. Antibodies and immunohistochemical assays.

Marker	Source	Type	Clone	Procedure	Dilution	Antigen retrieval	Visualization	Manufacturer	Cat. no.
ER	Mouse	Monoclonal	6F11/2	Autostainer	1:320	Heat (95°C, 30 min), CC1: EDTA buffer (pH 8.5)	iVIEW DAB Detection Kit	Novocastra	PA0009
PgR	Rabbit	Monoclonal	1E2	Autostainer	Ready-to-use	Heat (95°C, 60 min), CC1: EDTA buffer (pH 8.5)	iVIEW DAB Detection Kit	Roche Diagnostics	790-4296
HER2	Rabbit	Monoclonal	4B5	Autostainer	Ready-to-use	Heat (95°C, 60 min), CC1: EDTA buffer (pH 8.5)	iVIEW DAB Detection Kit	Roche Diagnostics	760-2991
Ki-67	Mouse	Monoclonal	MIB-1	Autostainer	1:80	Heat (95°C, 30 min), CC1: EDTA buffer (pH 8.5)	iVIEW DAB Detection Kit	Dako; Agilent Technologies, Inc.	M724001-1
PD-L1	Rabbit	Monoclonal	SP142	Autostainer	Ready-to-use	Heat (95°C, 48 min), CC1: EDTA buffer (pH 8.5)	OptiView Universal kit	Ventana Medical Systems, Inc.	741-4860
CD3	Rabbit	Polyclonal	n/a	Autostainer	1:400	Heat (95°C, 30 min), CC1: EDTA buffer (pH 8.5)	iVIEW DAB Detection Kit	Dako; Agilent Technologies, Inc.	IR50361-2J
CD8	Mouse	Monoclonal	C8/144B	Autostainer	1:200	Heat (95°C, 60 min), CC1: EDTA buffer (pH 8.5)	iVIEW DAB Detection Kit	Dako; Agilent Technologies, Inc.	M710301-2
Foxp3	Mouse	Monoclonal	236A/E7	Autostainer	1:160	Heat (95°C, 30 min), CC1: EDTA buffer (pH 8.5)	iVIEW DAB Detection Kit	Abcam	ab20034
CD20	Mouse	Monoclonal	L26	Autostainer	1:800	Heat (95°C, 60 min), CC1: EDTA buffer (pH 8.5)	iVIEW DAB Detection Kit	Dako; Agilent Technologies, Inc.	IR60461-2J
CD68	Mouse	Monoclonal	PG-M1	Autostainer	1:400	Heat (95°C, 60 min), CC1: EDTA buffer (pH 8.5)	iVIEW DAB Detection Kit	Dako; Agilent Technologies, Inc.	M081401-2
CD204	Mouse	Monoclonal	SRA-E5	Autostainer	1:400	Heat (95°C, 60 min.), CC1: EDTA buffer (pH 8.5)	iVIEW DAB Detection Kit	TransGenic Inc., Ltd.	KT118