Table S1 Correlation between PD-L1 expression and the clinicopathological features in all cases (n=344): SP142TC or IC, SP142TC, and IC

Clinicopathologic factors	N	SP142 TC or IC			SP142 TC and IC		
		Negative (n=192)	Positive (n=152)	P	Negative (n=305)	Positive (n=39)	P
Age (years)				0.740			0.039
<70	140	80 (57.1%)	60 (42.9%)		118 (84.3%)	22 (15.7%)	
≥70	204	112 (54.9%)	92 (45.1%)		187 (91.7%)	17 (8.3%)	
Sex				0.172			0.215
Male	223	118 (52.9%)	105 (47.1%)		194 (87.0%)	29 (13.0%)	
Female	121	74 (61.2%)	47 (38.8%)		111 (91.7%)	10 (8.3%)	
Tumor type				0.002			0.215
Adenocarcinoma	247	152 (61.5%)	95 (38.5%)		221 (89.5%)	26 (10.5%)	
SqCC	83	33 (39.8%)	50 (60.2%)		70 (84.3%)	13 (15.7%)	
NOS	14	7 (50.0%)	7 (50.0%)		14 (100.0%)	0 (0%)	
Specimen type				0.063			0.866
Biopsy	190	115 (60.5%)	75 (39.5%)		169 (88.9%)	21 (11.1%)	
Resection	154	77 (50.0%)	77 (50.0%)		136 (88.3%)	18 (11.7%)	
Recurrence				0.609			>0.99
No	305	172 (56.4%)	133 (43.6%)		270 (88.5%)	35 (11.5%)	
Yes	39	20 (51.3%)	19 (48.7%)		35 (89.7%)	4 (10.3%)	
Metastasis				0.045			0.583
No	241	126 (52.3%)	115 (47.7%)		212 (88.0%)	29 (12.0%)	
Yes	103	66 (64.1%)	37 (35.9%)		93 (90.3%)	10 (9.7%)	

PD-L1, programmed cell death ligand-1; SqCC, squamous cell carcinoma; NOS, not otherwise specified; TC, tumor cells; IC, immune cells.

Table S2 ORs between PD-L1 expression and the clinicopathological features in all cases (n=344): SP142 TC or IC, SP142 TC, and IC

Clinicopathologic factors	SP142 TC or IC (cutoff ≥1%)						SP142 TC and IC (cutoff ≥1%)					
	Univariate			Multivariate			Univariate			Multivariate		
	OR	95% CI	P	OR	95% CI	P	OR	95% CI	P	OR	95% CI	P
Age (years) (<70[a] vs. ≥70)	1.095	(0.710–1.690)	0.698				0.488	(0.249–0.956)	0.037	0.488	(0.249–0.956)	0.037
Sex (Female[a] vs. Male)	1.401	(0.893–2.198)	0.142				1.659	(0.779–3.533)	0.198			
Tumor type												
Adenocarcinoma	Ref		0.003	Ref		<0.001	Ref		0.460			
SqCC	2.424	(1.457–4.033)	0.001	2.797	(1.649–4.743)	<0.001	1.579	(0.770–3.237)	0.213			
NOS	1.600	(0.544–4.705)	0.393	2.248	(0.742–6.812)	0.152	<0.001	#	0.999			
Specimen type (Biopsy[a] vs. Resection)	1.533	(0.998–2.356)	0.051	1.892	(1.194–2.998)	0.007	1.065	(0.546–2.079)	0.853			
Recurrence (No[a] vs. Yes)	1.229	(0.630–2.395)	0.546				0.882	(0.296–2.629)	0.821			
Metastasis (No[a] vs. Yes)	0.614	(0.382–0.988)	0.044				0.786	(0.368–1.679)	0.534			

[a], reference; #, statistically insignificant results. PD-L1, programmed cell death ligand-1; SqCC, squamous cell carcinoma; NOS, not otherwise specified; TC, tumor cells; IC, immune cells; OR, odds ratio; CI, confidence interval; Ref, reference;