

Table S1 Clinicopathological characteristics of NSCLC patients in the study

Variables	Resection (N=1002)	Small biopsy	
		Biopsy paired with resection (N=35)	EBUS-TBNA (N=54)
Age (years)			
Median (range)	62 (17-84)	67 (52-82)	63.5(40-81)
Sex			
Male	525	23	36
Female	477	12	18
Smoking habits			
Current/former	386	18	33
Never	616	17	21
Histology			
Adenocarcinoma	852	18	42
Squamous cell carcinoma	150	17	12
UICC-stage			
I	799	11	1
II	115	5	1
III	86	19	39
IV	2	0	13
EGFR mutation status			
Yes	472	10	12
No	154	8	13
Not tested	376	17	29
Neoadjuvant therapy			
Yes	0	0	0
No	1002	35	54

Table S2 The Logistic Regression Analysis of PD-L1 expression in different subtypes of ADC (PD-L1 TPS cut-off value at 50%)

Subtype	OR	95% CI	P value
Lepidic vs. Micropapillary	0.042	0.005-0.358	0.004
Lepidic vs. Solid	0.034	0.012-0.100	<0.001
Acinar vs. Micropapillary	0.066	0.022-0.195	<0.001
Acinar vs. Solid	0.112	0.073-0.173	<0.001
Papillary vs. Micropapillary	0.063	0.017-0.231	<0.001
Papillary vs. Solid	0.132	0.080-0.218	<0.001
Micropapillary vs. Solid	0.906	0.394-2.085	0.816

Table S3 The heterogeneous PD-L1 expression in different subtype and differentiation of ADC (PD-L1 TPS cut-off value at 50%)

ADC	PD-L1 status		Total (n=852)	P value
	TPS <50%	TPS ≥50%		
Subtype predominant				
Lepidic	72	0	72	
Acinar	409	9	418	
Papillary	192	4	196	<0.001
Micropapillary	21	7	28	
Solid	97	41	138	
Total	791	61	852	