

Table 2. Tumor immune environment correlates with immune checkpoint molecule expression

Variables		B7-H4		IDO1		PD-L1(28-8)		PD-L1(SP142)					
		H-Score		p =	H-Score		p =	CPS		p =	IC		p =
		n (%)	≥120		≥1	<1		≥1	<1		n	≥1	<1
Number of patients	119 (100)	n			n			n			n		
sTILs (%)				0.606			0.123			<0.001			<0.001
<20	51 (42.9)	24	27		22	29		9	42		36	18	18
≤20 <40	28 (23.5)	14	14		18	10		14	14		24	22	2
≥40	40 (33.6)	23	17		24	16		26	14		31	31	0
Pattern of TILs				0.122			0.035			<0.001			<0.001
Desert	52 (43.7)	23	29		21	31		7	45		37	19	18
Excluded	32 (26.9)	15	17		21	11		17	15		25	23	2
Inflamed	35 (29.4)	23	12		22	13		25	10		29	29	0
CD8+T-cells (T)				0.411			0.524			0.002			<0.001
Low (<66)	59 (49.6)	28	31		30	29		16	43		47	29	18
High (≥66)	60 (50.4)	33	27		34	26		33	27		44	42	2
CD8+T-cells (P)				0.12			0.082			0.002			<0.001
Low (<170)	59 (49.6)	25	34		27	32		16	43		44	27	17
High (≥170)	60 (50.4)	35	25		37	23		33	27		47	44	3
FOXP3+T-cells (T)				0.642			0.943			<0.001			<0.001
Low (<16)	58 (48.7)	31	27		31	27		12	46		42	25	17
High (≥16)	61 (51.3)	30	31		33	28		37	24		49	46	3
FOXP3+T-cells (P)				0.316			0.056			<0.001			<0.001
Low (<29)	58 (48.7)	27	31		26	32		14	44		40	24	16

	High (≥ 29)	61 (51.3)	34	27	38	23	35	26	51	47	4
TLS					0.014		0.251		0.13		<0.001
	Low (<4)	56 (47.1)	22	34	27	29	19	37	41	24	17
	High (≥ 4)	63 (52.9)	39	24	37	26	30	33	50	47	3
TSR(%)					0.648		0.641		0.001		0.063
	Low (<45)	59 (49.6)	29	30	33	26	33	26	44	38	6
	High (≥ 45)	60 (50.4)	32	28	31	29	16	44	47	33	14

Abbreviations: sTILs, stromal tumor-infiltrating lymphocytes; CD8+T-cells (T), CD8+T-cells (tumoral area); CD8+T-cells (P), CD8+T-cells (peritumoral area); FOXP3+T-cells (T), FOXP3+T-cells (tumoral area); FOXP3+T-cells (P), FOXP3+T-cells (peritumoral area); TLS, tertiary lymphoid structure; TSR, tumor stromal ratio; IDO1, indoleamine 2,3-dioxygenase-1; PD-L1, programmed death ligand 1; CPS, combined positive score; IC, tumor-infiltrating immune cells