

Supplementary tables**Supplementary table 1.** TLX and PD-L1 expression in glioma tissues

	Low Grade glioma		High Grade glioma	
	(n=30)		(n=52)	
	n	%	n	%
TLX expression				
None	10/30	36.6	10/52	17.3
≤25%	7/30	16.7	7/52	13.4
>25%, ≤50%	5/30	26.7	11/52	30.8
>50%	8/30	20.0	24/52	38.4
PD-L1 expression				
None (≤1%)	17/30	56.7	23/52	44.2
>1%, ≤25%	6/30	20.0	10/52	19.2
>25%, ≤50%	2/30	6.7	5/52	9.6
>50%	5/30	16.7	14/52	27.0

Supplementary table 2. Density of TLX+ or PD-L1+ tumor cells, CD8+TILs and CD163+TAMs in glioma.

	TLX+ tumor cells	PD-L1+ tumor cells	CD8+ TILs	CD163+ TAMs
Sparse infiltration	14/82(17.1%)	16/82(19.5%)	22/70(31.4%)	21/70(30.0%)
Moderate infiltration	16/82(19.5%)	7/82(8.5%)	16/70(22.9%)	10/70(14.3%)
Dense infiltration	32/82(39.0%)	19/82(23.2%)	5/70(7.1%)	15/70(21.4%)
total	62/82(75.6%)	42/82(51.2%)	43/70(51.4%)	46/70(65.7)

Supplementary table 3. Correlation of semiquantitative results of immunohistochemical analyses[Spearman correlation coefficient(SCC) and Chi square test(CS)]

P value	TLX+ TCs	PD-L1+ TCs	CD8+ TILs	CD163+ TAMs
TLX+ TCs		SCC:0.247 P=0.025	SCC:0.113 <i>P</i> =0.351	SCC:0.167 <i>P</i> =0.168
PD-L1+ TCs	CS: P=0.004		SCC:0.570 P<0.001	SCC:0.616 P<0.001
CD8+ TILs	CS: <i>P</i> =0.125			SCC:0.710 P<0.001
CD163+ TAMs	CS: <i>P</i> =0.073	CS: P<0.001	CS: P<0.001	