

Supplementary Material

Table S1. Classification of Treg cells based on the expression of biomarkers [75–77].

Treg cell subset	Immune profile	Immune response (antitumor)	Mechanism of action
Non-Treg	<i>CD25^{low}CD45RA⁻FOXP3^{low}</i>	Activator	Activated effector T cells expressing transiently CD25 and Foxp3.
Naive Treg	<i>CD25^{low}CD45RA⁺FOXP3^{low}</i>	None	Naive without activation and/or differentiation.
iTreg	<i>CCR4⁺CCR8⁺FOXP3^{hi}</i>	Suppressor	Tumor-infiltrating Treg promoted by chemokine pathway activation.
	<i>CD4⁺CD25⁺CTLA-4⁺GITR⁺</i>		Treg highly immune-suppressive activity into TME.
pTreg	<i>Helios⁻Tigit⁻Treg</i>	Activator	Unstable peripheral Treg population whose phenotype may drift towards a CD8 ⁺ profile with antitumor activity.