**Supplementary Material**

**Table S1**. Classification of Treg cells based on the expression of biomarkers [1–3].

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| --- | --- | --- | --- |
| **Treg cell subset** | **Immune profile** | **Immune response****(antitumor)** | **Mechanism of action** |
| Non-Treg | *CD25lowCD45RA−FOXP3low* | Activator | Activated effector T cells expressing transiently CD25 and Foxp3. |
| Naive Treg | *CD25lowCD45RA+FOXP3low* | None | Naive without activation and/or differentiation. |
| iTreg | *CCR4+CCR8+FOXP3hi* | Suppressor | Tumor-infiltrating Treg promoted by chemokine pathway activation. |
| *CD4+CD25+CTLA-4+GITR+* | Treg highly immune-suppressive activity into TME. |
| pTreg | *Helios− Tigit− Treg* | Activator | Unstable peripheral Treg population whose phenotype may drift towards a CD8+ profile with antitumor activity. |

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