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Soluble PD-1-based vaccine targeting MUC1 VNTR and survivin improves anti-tumor effect

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Highlights

- Soluble PD-1 was constructed into a MUC1- and survivin- targeting DNA vaccine (sPD1/MS) to enhance the activation of lymphocytes.
- Combination of the sPD1/MS vaccine with oxaliplatin potentiated the anti-tumor effect significantly.
- There was an accumulation of CD8⁺ tumor infiltrating lymphocytes (CD8⁺ TILs) and a reduction of Tregs in tumor tissue of sPD1/MS vaccinated tumor-bearing mice.

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