

Supplementary Information

In vivo gold nanoparticle delivery of peptide vaccine induces anti-tumor immune response in prophylactic and therapeutic tumor models

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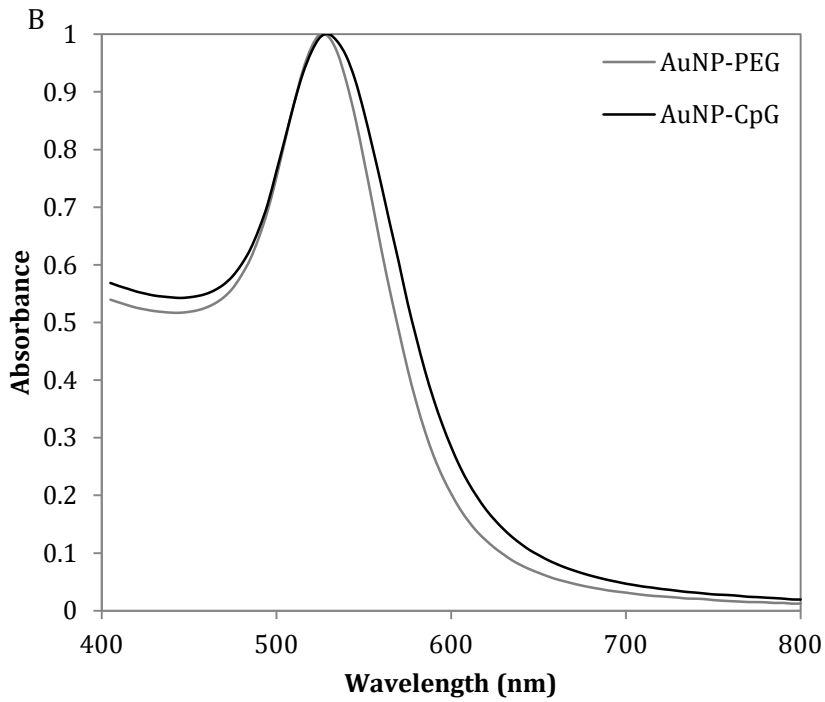
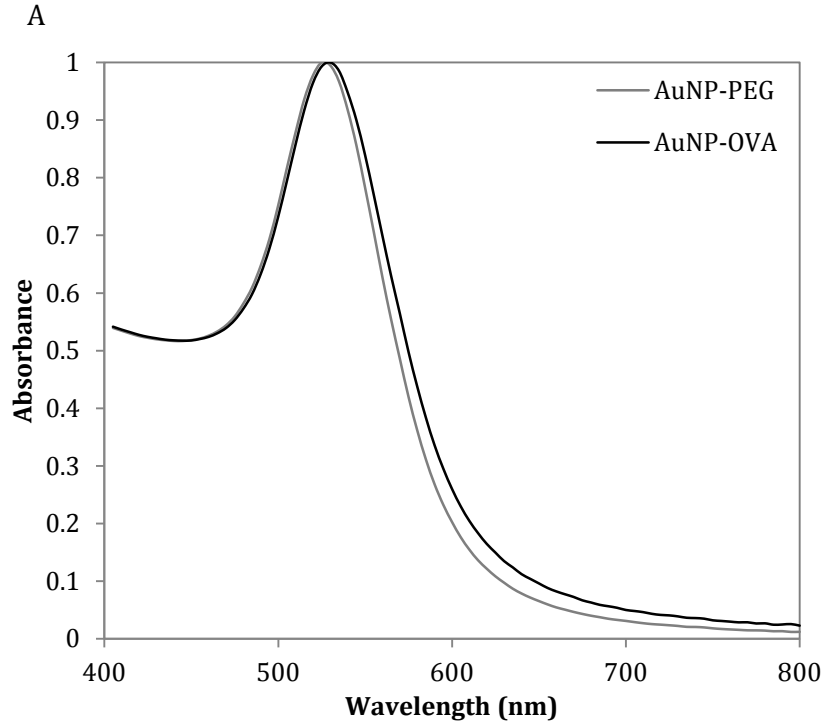
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Keywords: Gold nanoparticles, Immunotherapy, Biodistribution, Immune system, Cancer.

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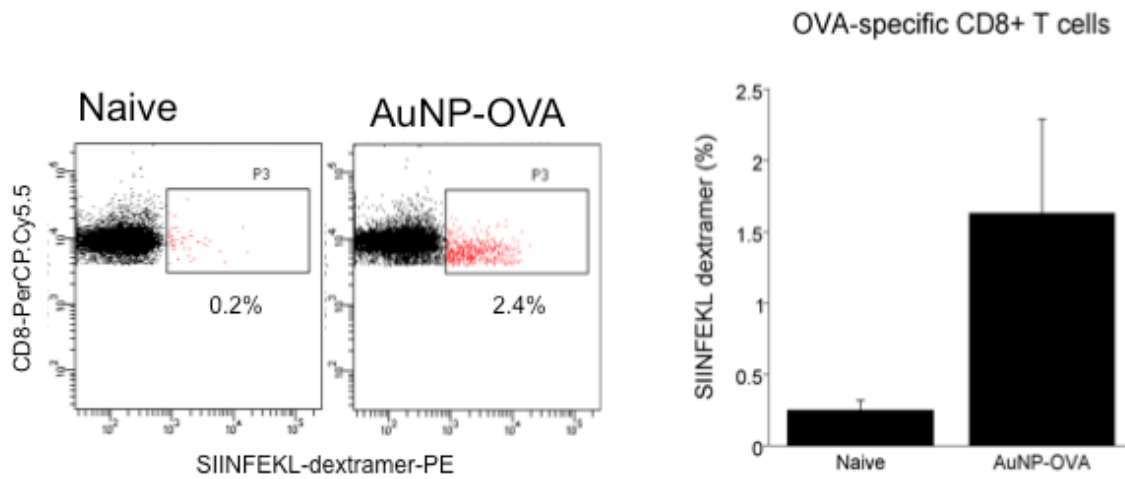
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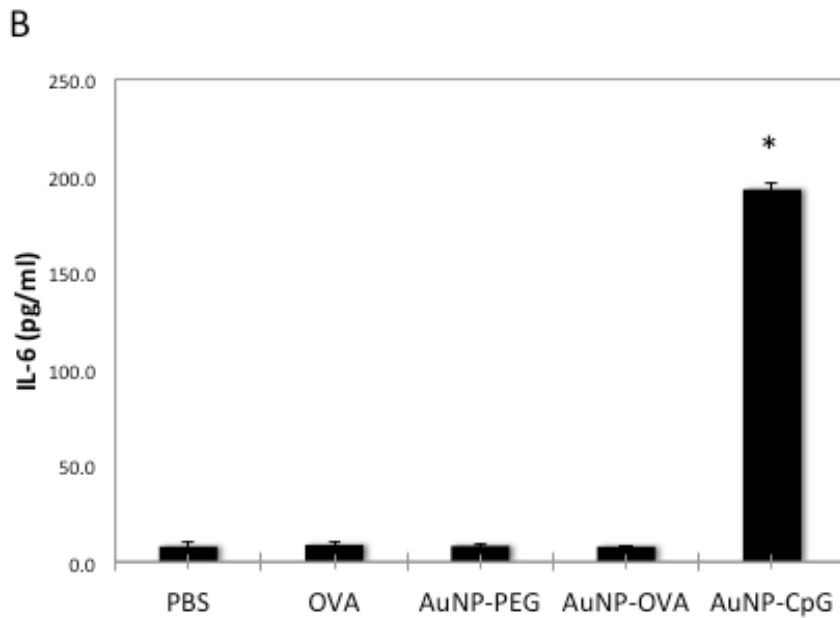
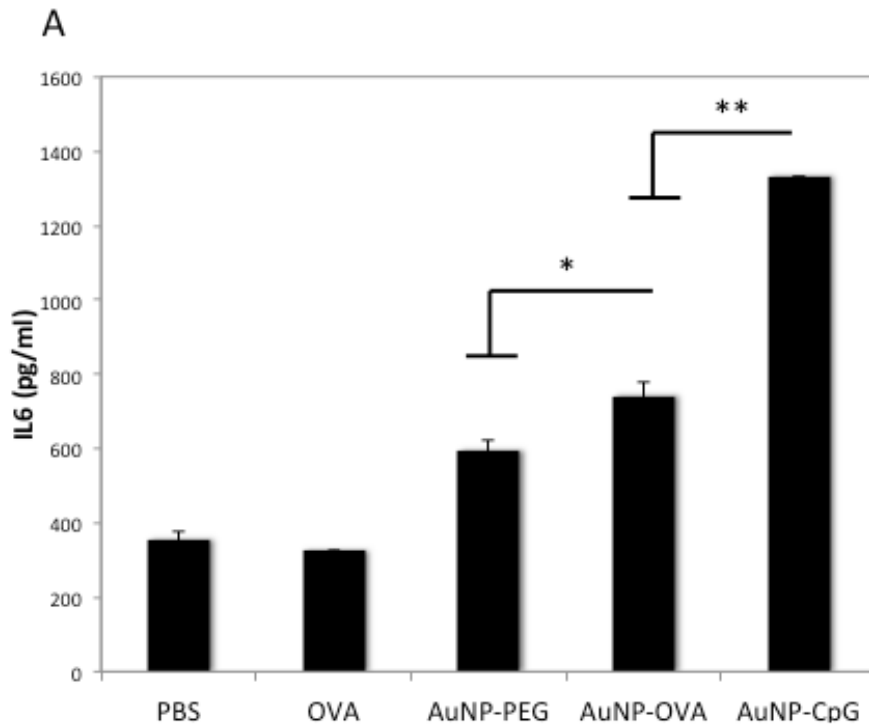
Supplementary Figure 1. Absorbance spectra of A) AuNP-PEG and AuNP-OVA particles. B) AuNP-PEG and AuNP-CpG particles.

Particle	Mean hydrodynamic diameter	Polydispersity
AuNP-PEG	60.3 +/- 0.2	0.232
AuNP-OVA	84.3 +/- 0.9	0.285
AuNP-CpG	83.3 +/- 0.4	0.292

Supplementary Table 1. Size and polydispersity of nanoparticles.



Supplemental Figure 2. Dextramer analysis of CD8⁺ T cells positive for OVA in naïve and AuNP-OVA treated mice.



Supplementary Figure 3. IL-6 production in A) Bone Marrow Dendritic Cells (BMDCs) or B) J774.A1 monocyte/macrophage cell line exposed to PBS, 50 μ g OVA, 2×10^{11} AuNP-PEG particles per ml, 2×10^{11} AuNP-OVA particles per ml, or 2×10^{11} AuNP-CpG per ml. *, $p < 0.008$. **, $p < 0.0001$.