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(54) **Title**: ANTI INTEGRIN ANTIBODIES LINKED TO NANOPARTICLES LOADED WITH CHEMOTHERAPEUTIC AGENTS

(57) **Abstract**: The invention relates to anti-integrin antibodies which are covalently linked to nanoparticles, wherein these nanoparticles were prior loaded with chemotherapeutic / cytotoxic agents. The antibody-chemotherapeutic agent-nanoparticle conjugates according to the invention, especially wherein the antibody is MAb DI17E6 and the cytotoxic agent is doxorubicin show a significant increase of tumor cell toxicity.