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(54) **Title**: IMMUNOGENIC COMPOSITIONS AND METHODS OF USING THE COMPOSITIONS FOR INDUCING HUMORAL AND CELLULAR IMMUNE RESPONSES

(57) **Abstract**: Compositions and methods are provided herein for improved dual immunization strategies that induce in a subject an immune response that includes a humoral immune response and cellular immune response, both CD4 and CD8 T lymphocyte immune responses, thereby providing a complete adaptive immune response to one or more antigens. The methods described are therefore useful for treating and/or preventing (i.e., reducing the likelihood or risk of occurrence) different diseases, disorders, and conditions such as cancers and infectious diseases for which induction of both a humoral immune response and cellular immune response is desired and beneficial.