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(54) Title: METHODS AND COMPOSITIONS FOR INCREASING A T-EFFECTOR CELL TO REGULATORY T CELL RATIO

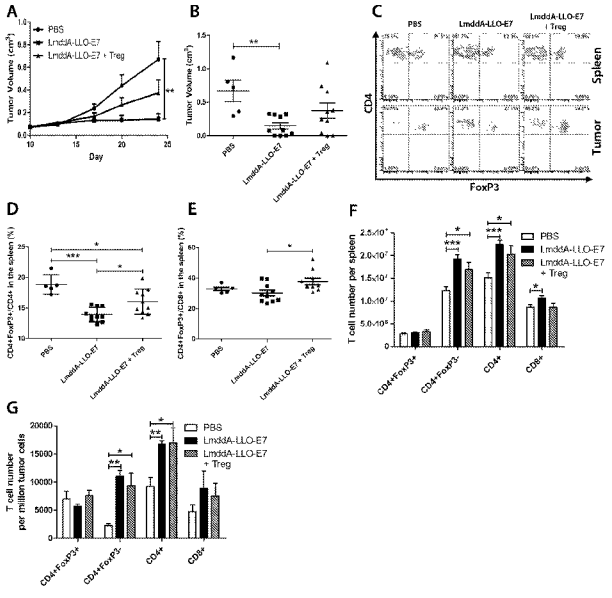


Figure 9

(57) Abstract: The present invention is directed to methods for increasing T-cell effector cell to regulatory T cell ratio. The invention is further directed to methods of treating, protecting against, and inducing an immune response against a tumor, comprising the step of administering to a subject a recombinant *Listeria* strain, comprising a fusion peptide that comprises an LLO fragment and tumor-associated antigen.

WO 2015/134722 A2

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