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(54) Title: *MYCOBACTERIUM VACCAE* FOR DOWN-REGULATION OF THE TH2 ACTIVITY OF THE IMMUNE SYSTEM

(57) Abstract

Antigenic and/or immunogenic material derived from *Mycobacterium vaccae* is used to down-regulate Th2 activity of the immune system without up-regulation of Th1 activity. Disorders such as Chronic Fatigue Syndrome, Gulf War Syndrome and Total Allergy Syndrome are treated. The material preferably comprises dead *M. vaccae* cells in a composition which does not include a non-*M. vaccae* antigen, immunogen or allergen.



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