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(54) Title: MODULATION OF MONOCYTES, OR PRECURSORS THEREOF, DIFFERENTIATION

(57) Abstract: The invention is generally directed to promoting dendritic cells (DCs), and optionally M1-type (macrophage M1 polarization), immune response by administering a compound that modulates macrophage polarization. The invention is directed to the use of an antibody able to bind to CSF-1R for modulating macrophage polarization. The invention is also directed to methods for evaluating the dose efficacy of an antibody able to bind to CSF-1R in a patient by assessing the in vivo or in vitro polarization of macrophages. The invention is further directed to post-treatment companion test and assays to assess the effect of an antibody able to bind to CSF-1R on a subject being treated.