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(54) Title: CELL POPULATIONS HAVING IMMUNOREGULATORY ACTIVITY, METHOD FOR ISOLATION AND USES

(57) Abstract: The present invention provides a population of connective tissue derived cells that respond to interferon-gamma (IFN-γ) by expressing indolamine-2,3-dioxygenase (IDO) for use in preventing, treating or ameliorating one or more symptoms associated with disorders in which modulation of a subject's immune system is beneficial, including, but not limited to, autoimmune diseases, inflammatory disorders, and immunologically mediated diseases including rejection of transplanted organs and tissues.

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