

Abstract

TECHNOLOGY FOR EFFICIENT ACTIVATION OF NKT CELLS

The present invention relates to a method for producing
an NKT cell ligand-pulsed human CD14 positive cell that
5 activates NKT cells and strongly induces proliferation, IFN- γ
production, and/or cytotoxic activity of NKT cells. More
specifically, the method is characterized in that the isolated
CD14 positive cell is cultured in a medium containing an NKT
cell ligand and GM-CSF and substantially free of IL-4. In
10 addition, the present invention relates to a method for
producing an NKT cell ligand-pulsed human CD14 positive cell
line and, specifically, the method is characterized in that the
isolated CD14 positive cell is cultured in a medium containing
an NKT cell ligand and substantially free of GM-CSF and IL-4.
15 The present invention also relates to a cell preparation
containing an NKT cell ligand-pulsed human CD14 positive cell
or an NKT cell ligand-pulsed human CD14 positive cell line and
pharmaceutical use thereof.

(No drawing to be published)