INDUCIBLE SYSTEMS FOR ALTERING GENE EXPRESSION IN HYPOIMMUNOGENIC CELLS

ABSTRACT

Disclosed herein are engineered cells and/or hypoimmunogenic cells including engineered cells and/or hypoimmunogenic stem cells, engineered cells and/or hypoimmunogenic cells differentiated therefrom, and/or engineered cells and/or hypoimmunogenic CAR-T cells (primary or differentiated from engineered and/or hypoimmunogenic stem cells) and related methods of their use and generation comprising regulatable reduced expression of one or more MHC class I and/or MHC class II human leukocyte antigen molecules and regulatable overexpression of CD47. Provided herein are cells further exhibiting reduced expression of T-cell receptors.

No suitable figure