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(54) Title: MHC IB-MEDIATED ISLET-ANTIGEN-SPECIFIC IMMUNOSUPPRESSION AS A NOVEL TREATMENT FOR TYPE 1 DIABETES

(57) Abstract: The present invention relates to therapeutical uses of non-classical human major histocompatibility complex (MHC) molecules (also named MHC class Ib molecules) in combination with peptide antigens for the treatment of type 1 diabetes (T1D). The invention more specifically relates to recombinant polypeptides comprising peptide antigens and one or more domains of a non-classical MHC class Ib molecule. The invention also relates to methods of producing such recombinant polypeptides, pharmaceutical compositions comprising the same, as well as their uses for treating type 1 diabetes (T1D).

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