成功大學醫學院臨床醫學研究所

2023 教師參與「暑期大專生培育計畫」招募申請表

申請教師	許育祥
研究計畫 名　稱	介白素二十八接受器單株抗體之生產及特性分析 Generation and Characterization of IL-28 Receptor Monoclonal Antibody
研究計畫 簡　要	Interleukin-28 receptor (IL-28R) is a member of the class II cytokine receptor family which involves in the regulation of various signaling pathways. Type III interferons (IFNs) including IL-29, IL-28A, and IL-28B all signal through IL-28R1/IL-10R2 heterodimeric receptor complex to perform their functions. Previously, we have demonstrated that IL-29 contributes to the metabolic complications by promoting obesity-induced inflammation and insulin resistance. Neutralization of the activity of IL-29 may be a strategy for alleviating obesity-induced disorders. Therefore, in this study, we aim to generate IL-28R monoclonal antibody to block IL-29 signaling pathway. We will use cell fushion method to generate IL-28R hybridoma and then screen and select the best neutralizing antibody for blocking IL-29-mediated pathway.
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