

探討蛹蟲草萃取物及其活性物質透過多種細胞途徑

達到免疫調節之效果

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1. Introduction
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3. Immunomodulatory Effect of *Cordyceps militaris* Polysaccharide on RAW 264.7 Macrophages by Regulating MAPK Signaling Pathways
4. *Cordyceps militaris* Solid Medium Extract Alleviates Lipoteichoic Acid-Induced MH-S Inflammation by Inhibiting TLR2/NF- κ B/NLRP3 Pathways
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摘要

蛹蟲草 *Cordyceps militaris* 是一種傳統藥用真菌，已被研究證實其含有許多活性物質，如多醣、腺苷、蟲草素等等，並且具有許多不同之藥理活性，包含抗發炎、免疫調節、抗病毒、抗癌，本次研究三篇論文皆以蛹蟲草為主要原料來源，探討蛹蟲草中所萃取出之免疫真菌蛋白、多醣體、及萃取物在兩種不同的小鼠巨噬細胞模式中以調控NF- κ B、MAPK、NLRP3三種不同路徑以及巨噬細胞活性所達到的發炎反應調節效果。

結果顯示蛹蟲草免疫真菌蛋白可藉由調控NF- κ B路徑增加巨噬細胞之活性、多醣體則可以透過活化MAPK路徑始末呈現發炎症狀的巨噬細胞產生發炎症狀，也能調節已發炎之巨噬細胞達到抗發炎的效果，而萃取物則是能夠抑制NF- κ B及發炎小體NLRP3的活化達到抗發炎的目的，因此綜上所述蛹蟲草可能為一種具有開發為免疫調節相關藥品或補充劑原料的潛力。

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