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肿瘤相关巨噬细胞在肿瘤发展及治疗中的作用

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Tumor-associated Macrophages Development and Treatment of Tumor

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摘要 巨噬细胞在不同的刺激因子作用下能够分化为具有抗肿瘤活性的M1型巨噬细胞和具有促肿瘤活性的M2型巨噬细胞。肿瘤组织中的巨噬细胞主要为M2型, 它们参与肿瘤的发生、发展、侵袭和转移等过程。特定的刺激可将M2型巨噬细胞逆向分化为M1型巨噬细胞, 由此抑制肿瘤的生长。本文将 对肿瘤相关巨噬细胞的分化及与肿瘤的密切关系作简要综述。

关键词 : 肿瘤相关巨噬细胞, 肿瘤, 分化, 治疗靶点

Abstract : Macrophages affected by different simulating factors can be differentiated into M1-type macrophages with anti-tumor activity and M2-type macrophages with tumor-promoting activity. Main macrophages in tumor tissue are M2-type and they are involved in the process of tumor genesis, development, invasion and metastasis. Specific stimulation can re-differentiate M2-type macrophages into M1-type, thereby to inhibit tumor growth. This article briefly reviews the differentiation of tumor-associated macrophage and its close relationship with tumor.

Key words : Tumor-associated macrophages Tumor Differentiation;Therapeutic target

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