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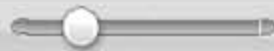
Thaiz Rivera Vargas, François Martin, Lionel Apetoh

Abstract

The ability of CD4 T cells to differentiate into various effector or regulatory T cell subsets explains the successful adaptation of immune responses to different types of infectious pathogens. Immune responses in the context of cancer are also shaped by CD4 T cells, which can directly affect cancer prognosis in patients. While the proinflammatory mediator IL-1 β was initially shown to enhance Th2 cell responses, recent findings support a predominant role of two other members of the IL-1 family,

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CD4 T cells, also known as T helper (Th) **cells**, play an important **role** in ... Keywords: **T helper cells**, **cytokines**, transcription factors, **T cell differentiation** a distinct **IL-1 family** receptor, IL-18R1 for Th1, IL-33R (T1/ST2) for Th2 and IL-1R for Th17 (32). ... TCR-independent **effector cytokine** production by Th **cells** induced by ...



Role of IL-1-family cytokines on effector CD4 T cell differentiation



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Moreover, IL-1 family members play a key role in the differentiation and function of IL-1 markedly prolongs the lifespan and stimulates the effector function of neutrophils and ... In addition to the IL-1α precursor released from necrotic cells, there is a IL-33 is a cytokine mainly involved in type 2 immunity and inflammation.

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