

Regulation of Inflammation and Immunity by Cytokines

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The inflammatory immune response is regulated by several inhibitory mechanisms. These mechanisms include regulatory T cells which exist in multiple classes. Notable among these are CD4⁺CD25⁺ cells, NKT cells and Tr1 cells. Common to these mechanisms are inhibitory cytokines such as IL10 and TGF- β . I will discuss the role of these inhibitory mechanisms in the control of inflammatory and autoimmune responses and the mechanisms which underlie how these molecules control these responses.