T Cell Subsets in Infectious and Autoimmune Diseases - Symposium No. 195

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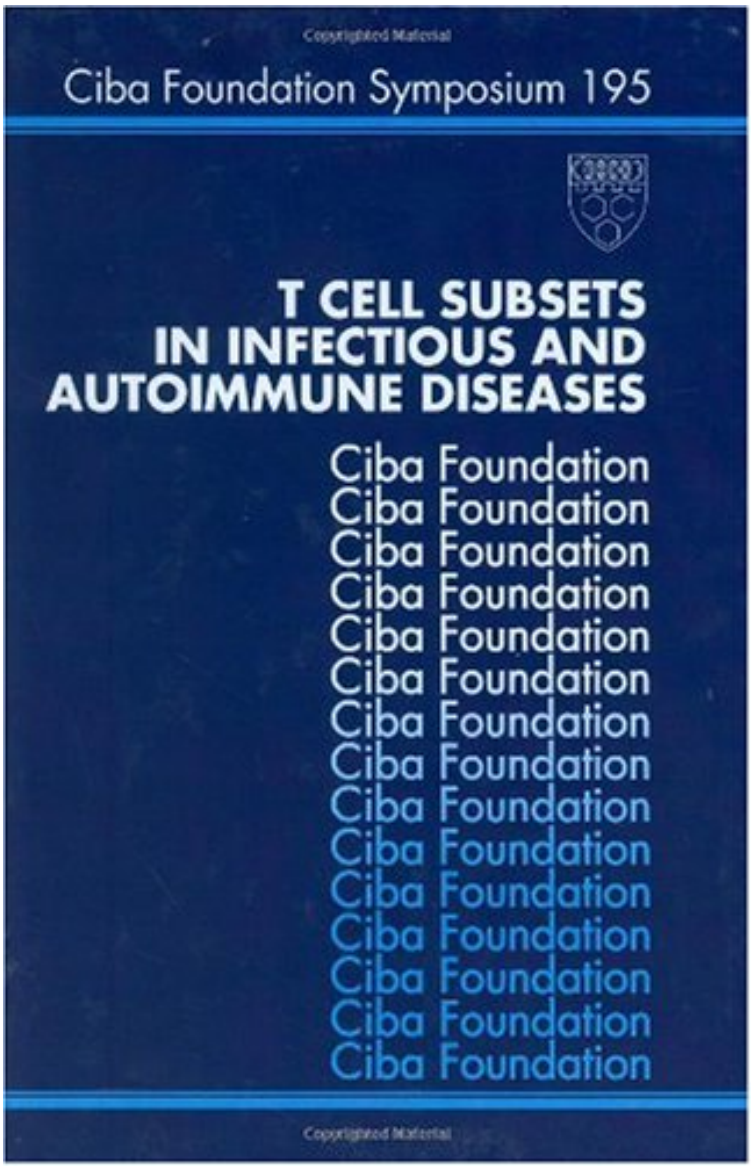

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CIBA Foundation Symposium : T Cell Subsets in Infectious and Autoimmune Diseases - Symposium No. 195 before purchasing it in order to gage whether or not it would be worth my time, and all praised T Cell Subsets in Infectious and Autoimmune Diseases - Symposium No. 195:

T cells are a specialized population of immune cells that aid the immune system in combating various types of invading pathogens. This book presents up-to-the-minute data on the role of T cells in autoimmune diseases.

From the PublisherAn interdisciplinary and multinational group of scientists and clinicians working on T cells present accounts of the induction, regulation and differentiation of T cell subsets and cytokine production and control. Features an in-depth description of T cell subsets' role in the immune response and provides an understanding of specific T cell subset responses to different pathogens.From the Back CoverMature T cells are classified on the basis of their surface marker proteins, such as CD4 and CD8. CD4+ and CD8+ cells recognize antigens associated with major histocompatibility complex class II and class I molecules, respectively, and they can both be further classified into subgroups. The division of CD4+ T cells into T helper 1 (Th1) and Th2 cells is based on the secretion of distinct patterns of cytokines, and the resulting polarized Th1 and Th2 responses play different roles in protection and the promotion of different immunopathological reactions. In contrast, CD8+ T cells are strongly cytotoxic; however, they can also secrete Th1-like or Th2-like cytokine profiles. This suggests that there is an increasingly complex network of cytokine regulatory patterns which are produced in response to, and specifically tailored to, different offending agents. This book contains contributions from a diverse group of scientists and clinicians working on T cells. Specific topics include: the differentiation and regulation of T cell subsets; their roles in bacterial, protozoan, viral and autoimmune diseases; and the effector mechanisms employed by these subsets of cells. Vaccine development, memory, anergy and allergy are also discussed.