Asthma (Methods in Molecular Medicine)

From K Fan Chung Ian Adcock
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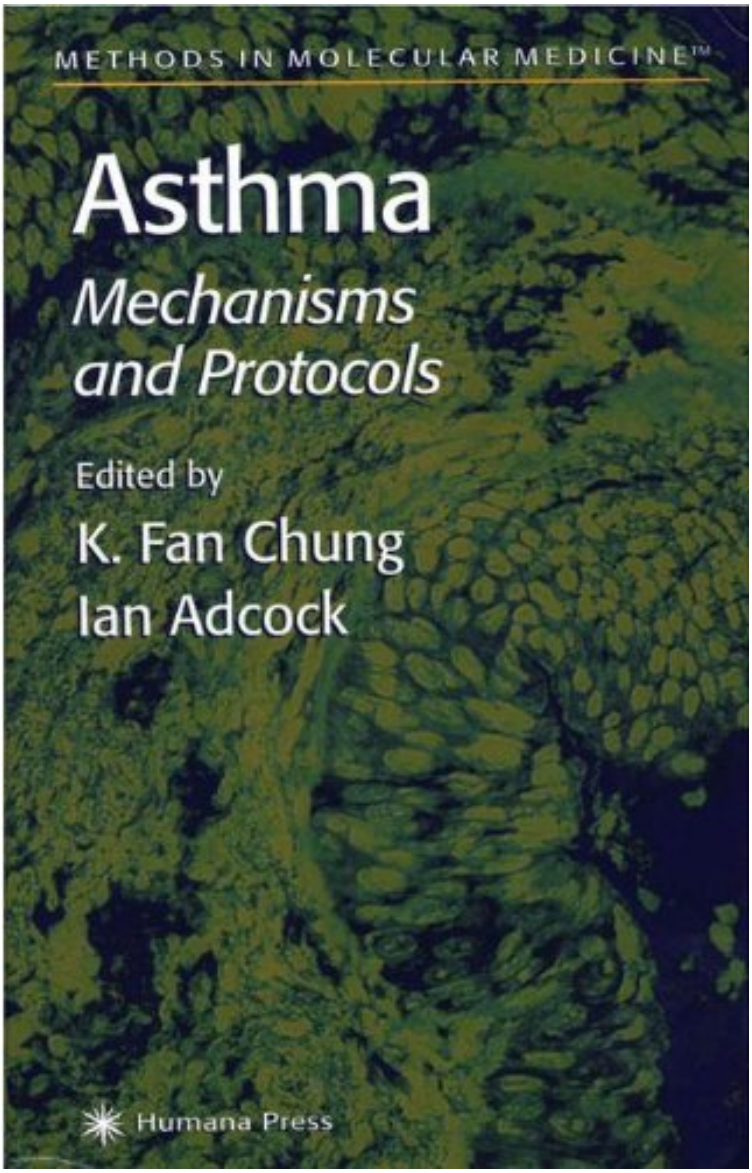

#6193982 in Books K Fan Chung Ian Adcock 2000-06-23Original language:EnglishPDF # 1 9.32 x .98 x 6.31l, 1.75 #File Name: 089603626X346 pagesAsthma Mechanisms and Protocols | File size: 71.Mb

From K Fan Chung Ian Adcock : Asthma (Methods in Molecular Medicine) before purchasing it in order to gage whether or not it would be worth my time, and all praised Asthma (Methods in Molecular Medicine):

Asthma has rapidly become one of the most common chronic illnesses of the Western world, and its prevalence continues to rise, with the proportion of patients with more severe diseases also increasing. Faced with this problem,

more researchers are focusing on the causes, mechanisms, and pathophysiology of asthma. The major hopes are that more effective drugs will become available and that preventive measures can be instituted. Increasingly, molecular and cell bi- ogy approaches are being used to characterize and understand the mechanisms of the inflammatory process that is typical of the asthmatic airway. This volume on Asthma: Mechanisms and Protocols in the Methods in Molecular Medicineseries provides an overview of the molecular mechanisms involved in asthma by p- viding extensive protocols that are being used in asthma research. Briefly, it c- ers details of methods for obtaining cells from the airways, analysis of gene and protein expression in the limited clinical samples from asthmatic airways, use of molecular and cellular tools for studying cytokine expression and release, studies of asthma-related genes and genetic polymorphisms, and understanding the - fects of asthma treatments. With such coverage, the volume ties in several dis- plines, including allergy and immunology, cell biology, pharmacology, and histology. We have continued in the spirit of the series to provide a bench book for day-to-day use.

From the Back CoverAs asthma increases in prevalence and severity around the world, the need for understanding its basic mechanisms and for developing better drugs and preventative measures becomes more urgent. In Asthma: Mechanisms and Protocols, K. Fan Chung and Ian Adcock bring together the first collection of laboratory methods for studying the molecular and cellular mechanisms of asthma. Leading experts describe highly effective methods for obtaining cells from asthmatic airways, analyzing gene and protein expression in these clinical samples, and using molecular and cellular tools to study cytokine expression and release in this disease. There are also cutting-edge techniques for studying asthma-related genes and genetic polymorphisms, and for understanding the effects of asthma treatment. User-friendly and state-of-the-art, Asthma: Mechanisms and Protocols provides all asthma researchers-whether novice or experienced, whether in experimental or clinical research-with a first-class collection of readily reproducible pharmacological, cellular, molecular, biochemical, and genetic methods for elucidating not only the mechanisms of the disease itself, but also of the drugs for asthma's treatment.