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Nota di contenuto	IgG Fc receptors: evolutionary considerations Role of FcgRs in Antibody Based Cancer Therapy Anti-inflammatory Activity of IgG-Fc IgG Fc glycosylation in human immunity IgE Glycosylation in Health and Disease Immune Complex Vaccination Fc receptors in anti-microbial protection.
Sommario/riassunto	This volume explores several aspects of how antibodies mediate their activity in vivo, ranging from cancer immunotherapy to autoimmunity, infection, and vaccination. Divided into seven chapters, it provides indepth insights into how antibodies and especially the antibody fragment crystallizable (Fc) domain modulate immune responses and antibody activity. The book begins by discussing evolutionary aspects of how the family of Fc receptors that are the key molecules for antibody activity evolved. In turn, it addresses the molecular and cellular pathways underlying IgG activity in cancer immunotherapy, and focuses on how IgG glycosylation regulates IgG and IgE activity in autoimmunity, allergy and infection. In closing, it presents strategies for developing novel antibody-based vaccination approaches. The book is intended for a very broad readership, including graduate students,

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