

1. Record Nr.	UNINA9910409697303321
Titolo	B Cells in Immunity and Tolerance // edited by Ji-Yang Wang
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-3532-9
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (190 pages)
Collana	Advances in Experimental Medicine and Biology, , 0065-2598 ; ; 1254
Disciplina	616.0798
Soggetti	Immunology Molecular biology Allergy Molecular Medicine Allergology Cèl·lules B Immunologia Biologia molecular Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	B cell development and maturation -- B cell receptor signalling -- Involvement of reactive oxygen species (ROS) in BCR signaling as a second messenger -- Germinal center reaction -- Memory B cells in local and systemic sites -- Regulation of plasma cell differentiation -- Regulation of humoral immune responses and B cell tolerance by the IgM Fc receptor -- Regulatory B cells -- Diversified IgA-bacteria interaction in gut homeostasis -- Primary antibody deficiencies -- B cell-mediated autoimmune diseases -- B cell lymphomas.
Sommario/riassunto	This book contains twelve chapters contributed by prestigious international experts who are at the forefront of B cell research, and aims to provide a cutting-edge and comprehensive overview of all aspects of B cells, including B cell development, maturation and activation, germinal center reaction, memory and plasma cell differentiation, and antibody-mediated positive and negative regulation of humoral immune responses. There are also three chapters

describing human diseases caused by B cell abnormalities, including primary antibody deficiencies, autoimmune diseases, and B cell malignancies. We hope that this book will become a standard and routine reference for both basic researchers and clinicians.

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