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B Cell-Mediated Immunity to Viruses

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Message from the Guest Editor

B cell-mediated humoral immune response, also known as antibody-mediated response, plays a critical role in host defense against invading pathogens and is a key determinant for the development of most effective vaccines. Studying broadly neutralizing antibodies and understanding the rules for eliciting broadly neutralizing B cell responses will help antibody-based therapies and vaccine development. In addition, antibody functions are varied, and not all pathogen-specific antibodies benefit the host. Hence, the scope of this topic is related to B cell development, function, epitopes and application in the face of infectious pathogens.



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Message from the Editor-in-Chief

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