

Special Issue

Design, Production and Characterization of Peptide Antibodies

Message from the Guest Editors

Antibodies are key reagents in diagnostics and experimental biology, capable of detecting numerous antigenic targets. Proteins are often in focus and are usually effective targets for antibody production. When selecting or designing the peptide used for antibody production, critical elements (among others) include peptide length, structure, and amino acid composition, but elements such as peptide synthesis limitations and peptide antibody accessibility to the intended target are also critical for a good outcome. Traditional peptide antibody proteins encompass animal-based immunization with a synthetic peptide, usually conjugated to a carrier protein to enhance immune presentation. In addition to traditional peptide antibody production, peptide antibodies can be produced using libraries or sequencing. This Special Issue aims to describe the current state-of-the-art techniques and characterization/applications within the field as well as newer and emerging uses of peptide antibodies.

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About the Journal

Message from the Editor-in-Chief

Antibodies is a relatively new journal with a major focus on quick dissemination of knowledge related to antibodies, especially how to quickly translate basic research results to therapeutic applications. Because it covers all areas related to antibodies unexpected connections between different areas could be made, leading to major discoveries and opening new fields of research and development. This is enhanced by the large readership of the many antibody-related areas of research. A specific priority area is human monoclonal antibodies for therapy of diseases and aging.

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