



*antibodies*



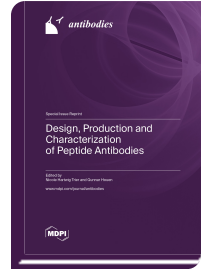
*Special Issue Reprint*

## **Design, Production and Characterization of Peptide Antibodies**

[www.mdpi.com/books/reprint/7556](http://www.mdpi.com/books/reprint/7556)

Edited by  
Nicole Hartwig Trier  
Gunnar Houen

ISBN 978-3-0365-7690-9 (Hardback)  
ISBN 978-3-0365-7691-6 (PDF)



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. Occasionally, however, the native protein is known but not available, or a very specific target is required. In these cases, synthetic peptides, copying essential sequences from the target, are good alternatives for antibody production. Peptide antibodies have been used in diagnostics and experimental biology with great success, especially because they can be produced to multiple targets, for example, native and denatured targets.

Traditional peptide antibody proteins encompass animal-based immunization with a synthetic peptide, usually conjugated to a carrier protein to enhance immune presentation, as small peptides tend not to be immunogenic by themselves. There are several strategies for the conjugation of peptides to carriers applied for immunization. This is the most used approach for peptide antibody production. In addition to traditional peptide antibody production, peptide antibodies can be produced using libraries or sequencing.

This Special Issue, “Design, Production and Characterization of Peptide Antibodies”, aims to describe the current state-of-the-art techniques and characterization/applications within the field as well as new and emerging uses of peptide antibodies.



Order Your Print Copy  
You can order print copies at  
[www.mdpi.com/books/reprint/7556](http://www.mdpi.com/books/reprint/7556)

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



### **Open Access**

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



### **Author Focus**

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



### **High Quality & Rapid Publication**

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



### **High Visibility**

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



### **Print on Demand and Multiple Formats**

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.