

Antibody Drugs: Technologies and Global Markets

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Abstracts

Report Scope:

This study offers a global view of the antibody drugs used in the pharmaceutical and biopharmaceutical markets. This report analyzes and assesses therapeutic applications of monoclonal antibodies (mAbs) in human medicine, including the combination of mAbs when they are attached to cytotoxic agents such as antibody drug conjugates.

BCC Research analyzes and makes projections of each market and its applications, along with an analysis of the regulatory environment, new products, and technological advances. Also included in the report are relevant patent analysis and profiles of leading companies in the antibody drug industry, such as AbbVie Inc., Amgen Inc., Biogen Inc., Johnson & Johnson Inc., Merck KGaA, Novartis AG, F. Hoffmann-La Roche Ltd., and Merck & Co.

The report covers the major markets of the U.S., Europe, and the emerging markets in India, China, Japan, Korea, Taiwan, Africa, Australia, New Zealand, Canada, and others.

Monoclonal antibodies are protein-based therapies/drugs that are finding growing use in the treatment of chronic diseases. This report focuses on the global market for antibody drug products and provides an updated review on their applications in various disease sectors. The overall market for antibody drug products includes four main areas of applications: autoimmune diseases; solid tumors; lymphoma and leukemia; and other diseases such as asthma, osteoporosis, and cardiovascular diseases.

The report covers technology trends, including the human anti-mouse antibody (HAMA) problem caused by murine antibodies and how it was resolved by replacing murine antibodies with chimeric, human, and humanized antibodies.

This report excludes polyclonal antibodies, screening kits and diagnostic uses of mAbs. It also excludes the research applications of mAbs and therapeutic antibodies for veterinary use.

Report Includes:

30 data tables and 29 additional tables

An overview of the global market for antibody drugs and related applications and technologies

Analyses of global market trends, with data from 2019, 2020, estimates for 2021, and projections of compound annual growth rates (CAGRs) through 2026

Identification of new opportunities, challenges, and technological changes within the industry and highlights of the market potential for antibody drugs by type, application, and region

Detailed analysis of the current market trends, market forecast, and discussion of technological, and regulatory elements that are affecting the future marketplace

Details of antibody functions, its comparison with antigen, and description of monoclonal antibodies, their history, advantages and disadvantages, types, manufacturing technologies and applications

Coverage of new approvals, recalls, safety alerts and clinical trials of monoclonal antibodies and information on technical issues related to human anti-mouse antibody (HAMA), and factors affecting mAB drugs

Information about major technologies for the formulation of antibody drugs and assessment of their relation to biotechnology, immunology, pharmaceuticals, and biodefense companies

Market share analysis of the key companies of the industry and coverage of their proprietary technologies, strategic alliances, and other key market strategies

Comprehensive company profiles of the leading players including F. Hoffmann-La Roche Ltd., Johnson & Johnson Inc., Novartis AG, Biogen Inc., Amgen Inc., and Merck & Co.

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