

# **Global Monoclonal Antibody Therapeutics Market Size Study, by Source (Human, Humanized, Chimeric, Other Sources), by Therapy Area (Autoimmune & Inflammatory Disorders, Oncology, Hematology, Ophthalmology, Other Therapy Areas), by Route of Administration (Intravenous, Subcutaneous, Other Route of Administrations), by Production Method (In-Vitro, In-Vivo), by End User (Hospitals, Long-term Care Facilities, Other End Users), and Regional Forecasts 2022-2032**

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## **Abstracts**

The Global Monoclonal Antibody Therapeutics Market is valued at approximately USD 205.09 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 15.0% over the forecast period 2024-2032. Monoclonal antibody therapeutics involve the use of lab-created antibodies designed to target specific proteins in the body, playing a crucial role in treating various diseases, including cancers, autoimmune disorders, and infections. These antibodies are engineered to bind with high specificity to particular antigens found on the surface of cells or pathogens, blocking harmful interactions or marking the target for destruction by the immune system. The process begins by identifying the appropriate antigen, followed by producing identical (monoclonal) antibodies through cell lines derived from a single immune cell. This precision allows for targeted therapy, reducing the risk of damage to healthy cells and improving the efficacy and safety profiles of treatments. Monoclonal antibodies have revolutionized medicine by providing tailored, effective solutions for conditions that were previously difficult to manage.

The monoclonal antibody therapeutics market is expected to witness significant growth in the future due to the increasing prevalence of chronic diseases such as cancer and autoimmune disorders and the advancements in biotechnology and genetic engineering. Additionally, the growing approval and adoption of monoclonal antibody therapies and the rising investment in healthcare and pharmaceutical R&D are the prominent factors driving the growth of the monoclonal antibody therapeutics market. However, the high cost of monoclonal antibody production and treatment and the stringent regulatory requirements and lengthy approval processes are restraining the market growth. On the contrary, the development of novel monoclonal antibodies for untapped therapeutic areas and the advances in personalized medicine and companion diagnostics are creating opportunities for market growth.

The hospitals segment dominated the market share and is expected to maintain its leading position throughout the forecast period owing to their effectiveness in treating a range of serious and complex conditions, including cancers, autoimmune diseases, and infectious diseases. Hospitals are increasingly adopting these therapies because they offer targeted treatment options that can significantly improve patient outcomes compared to traditional therapies. Monoclonal antibodies can precisely target diseased cells while sparing healthy ones, leading to fewer side effects and better tolerability. Additionally, the rise in hospital admissions for chronic diseases and the need for specialized treatments that can be administered under medical supervision contribute to the growing demand. As these therapies often require careful monitoring and management, hospitals are the ideal setting for their administration, further fuelling their popularity in this segment. The ongoing advancements in biotechnology and the increasing number of FDA approvals for new monoclonal antibody treatments also support their expanded use in hospital settings, providing healthcare providers with a broader arsenal of effective therapeutic options.

North America leads as the primary market for monoclonal antibody therapeutics during the forecast period due to the region's advanced healthcare infrastructure and high healthcare expenditure. North America, particularly the United States, has a high prevalence of chronic diseases such as cancer, autoimmune disorders, and infectious diseases, driving the need for effective therapeutic options like monoclonal antibodies. Additionally, robust research and development activities, supported by substantial funding from both government and private sectors, contribute to the rapid development and approval of new monoclonal antibody therapies. The presence of leading biopharmaceutical companies and academic institutions further accelerates innovation and availability of these treatments. Furthermore, favorable regulatory frameworks and

expedited approval processes by agencies such as the FDA facilitate quicker access to the latest monoclonal antibody therapies, ensuring that patients benefit from the most advanced treatments available.

Major market players included in this report are:

Abbvie Inc

Amgen Inc.

AstraZeneca

Biogen

Bristol Myers Squibb Company

Eli Lilly and Company

F. Hoffmann-La Roche Ltd

Johnson & Johnson Services, Inc

Merck & Co., Inc

Novartis AG

Sanofi

UCB S.A

The detailed segments and sub-segment of the market are explained below:

By Source:

Human

Humanized

Chimeric

## Other Sources

### By Therapy Area:

Autoimmune & Inflammatory Disorders

Oncology

Hematology

Ophthalmology

Other Therapy Areas

### By Route of Administration:

Intravenous

Subcutaneous

Other Route of Administrations

### By Production Method:

In-Vitro

In-Vivo

### By End User:

Hospitals

Long-term Care Facilities

Other End Users

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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