

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.

Contents

CHAPTER 1. GLOBAL MONOCLONAL ANTIBODY THERAPEUTICS MARKET EXECUTIVE SUMMARY

- 1.1. Global Monoclonal Antibody Therapeutics Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Source
 - 1.3.2. By Therapy Area
 - 1.3.3. By Route of Administration
 - 1.3.4. By Production Method
 - 1.3.5. By End User
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL MONOCLONAL ANTIBODY THERAPEUTICS MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory Frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL MONOCLONAL ANTIBODY THERAPEUTICS MARKET DYNAMICS

3.1. Market Drivers

- 3.1.1. Increasing Prevalence of Chronic Diseases
- 3.1.2. Advancements in Biotechnology and Genetic Engineering
- 3.1.3. Rising Investment in Healthcare and Pharmaceutical R&D

3.2. Market Challenges

- 3.2.1. High Cost of Production and Treatment
- 3.2.2. Stringent Regulatory Requirements

3.3. Market Opportunities

- 3.3.1. Development of Novel Monoclonal Antibodies
- 3.3.2. Advances in Personalized Medicine and Companion Diagnostics

CHAPTER 4. GLOBAL MONOCLONAL ANTIBODY THERAPEUTICS MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Top Investment Opportunity

4.4. Top Winning Strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL MONOCLONAL ANTIBODY THERAPEUTICS MARKET SIZE & FORECASTS BY SOURCE 2022-2032

5.1. Segment Dashboard

5.2. Global Monoclonal Antibody Therapeutics Market: Source Revenue Trend Analysis, 2022 & 2032 (USD Billion/Billion)

5.2.1. Human

5.2.2. Humanized

5.2.3. Chimeric

5.2.4. Other Sources

CHAPTER 6. GLOBAL MONOCLONAL ANTIBODY THERAPEUTICS MARKET SIZE & FORECASTS BY THERAPY AREA 2022-2032

6.1. Segment Dashboard

6.2. Global Monoclonal Antibody Therapeutics Market: Therapy Area Revenue Trend Analysis, 2022 & 2032 (USD Billion/Billion)

6.2.1. Autoimmune & Inflammatory Disorders

6.2.2. Oncology

6.2.3. Hematology

6.2.4. Ophthalmology

6.2.5. Other Therapy Areas

CHAPTER 7. GLOBAL MONOCLONAL ANTIBODY THERAPEUTICS MARKET SIZE & FORECASTS BY ROUTE OF ADMINISTRATION 2022-2032

7.1. Segment Dashboard

7.2. Global Monoclonal Antibody Therapeutics Market: Route of Administration Revenue Trend Analysis, 2022 & 2032 (USD Billion/Billion)

7.2.1. Intravenous

7.2.2. Subcutaneous

7.2.3. Other Route of Administrations

CHAPTER 8. GLOBAL MONOCLONAL ANTIBODY THERAPEUTICS MARKET SIZE & FORECASTS BY PRODUCTION METHOD 2022-2032

8.1. Segment Dashboard

8.2. Global Monoclonal Antibody Therapeutics Market: Production Method Revenue Trend Analysis, 2022 & 2032 (USD Billion/Billion)

8.2.1. In-Vitro

8.2.2. In-Vivo

CHAPTER 9. GLOBAL MONOCLONAL ANTIBODY THERAPEUTICS MARKET SIZE & FORECASTS BY END USER 2022-2032

9.1. Segment Dashboard

9.2. Global Monoclonal Antibody Therapeutics Market: End User Revenue Trend Analysis, 2022 & 2032 (USD Billion/Billion)

9.2.1. Hospitals

9.2.2. Long-term Care Facilities

9.2.3. Other End Users

CHAPTER 10. GLOBAL MONOCLONAL ANTIBODY THERAPEUTICS MARKET SIZE & FORECASTS BY REGION 2022-2032

10.1. North America Monoclonal Antibody Therapeutics Market

10.1.1. U.S. Monoclonal Antibody Therapeutics Market

10.1.1.1. Source breakdown size & forecasts, 2022-2032

10.1.1.2. Therapy Area breakdown size & forecasts, 2022-2032

10.1.1.3. Route of Administration breakdown size & forecasts, 2022-2032

10.1.1.4. Production Method breakdown size & forecasts, 2022-2032

10.1.1.5. End User breakdown size & forecasts, 2022-2032

10.1.2. Canada Monoclonal Antibody Therapeutics Market

10.2. Europe Monoclonal Antibody Therapeutics Market

10.2.1. U.K. Monoclonal Antibody Therapeutics Market

10.2.2. Germany Monoclonal Antibody Therapeutics Market

10.2.3. France Monoclonal Antibody Therapeutics Market

10.2.4. Spain Monoclonal Antibody Therapeutics Market

10.2.5. Italy Monoclonal Antibody Therapeutics Market

10.2.6. Rest of Europe Monoclonal Antibody Therapeutics Market

10.3. Asia-Pacific Monoclonal Antibody Therapeutics Market

10.3.1. China Monoclonal Antibody Therapeutics Market

10.3.2. India Monoclonal Antibody Therapeutics Market

10.3.3. Japan Monoclonal Antibody Therapeutics Market

10.3.4. Australia Monoclonal Antibody Therapeutics Market

10.3.5. South Korea Monoclonal Antibody Therapeutics Market

10.3.6. Rest of Asia Pacific Monoclonal Antibody Therapeutics Market

10.4. Latin America Monoclonal Antibody Therapeutics Market

- 10.4.1. Brazil Monoclonal Antibody Therapeutics Market
- 10.4.2. Mexico Monoclonal Antibody Therapeutics Market
- 10.4.3. Rest of Latin America Monoclonal Antibody Therapeutics Market
- 10.5. Middle East & Africa Monoclonal Antibody Therapeutics Market
 - 10.5.1. Saudi Arabia Monoclonal Antibody Therapeutics Market
 - 10.5.2. South Africa Monoclonal Antibody Therapeutics Market
 - 10.5.3. Rest of Middle East & Africa Monoclonal Antibody Therapeutics Market

CHAPTER 11. COMPETITIVE INTELLIGENCE

- 11.1. Key Company SWOT Analysis
 - 11.1.1. Company
 - 11.1.2. Company
 - 11.1.3. Company
- 11.2. Top Market Strategies
- 11.3. Company Profiles
 - 11.3.1. Abbvie Inc
 - 11.3.1.1. Key Information
 - 11.3.1.2. Overview
 - 11.3.1.3. Financial (Subject to Data Availability)
 - 11.3.1.4. Product Summary
 - 11.3.1.5. Market Strategies
 - 11.3.2. Amgen Inc.
 - 11.3.3. AstraZeneca
 - 11.3.4. Biogen
 - 11.3.5. Bristol Myers Squibb Company
 - 11.3.6. Eli Lilly and Company
 - 11.3.7. F. Hoffmann-La Roche Ltd
 - 11.3.8. Johnson & Johnson Services, Inc
 - 11.3.9. Merck & Co., Inc
 - 11.3.10. Novartis AG
 - 11.3.11. Sanofi
 - 11.3.12. UCB S.A

CHAPTER 12. RESEARCH PROCESS

- 12.1. Research Process
 - 12.1.1. Data Mining
 - 12.1.2. Analysis

- 12.1.3. Market Estimation
- 12.1.4. Validation
- 12.1.5. Publishing
- 12.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Global Monoclonal Antibody Therapeutics market, report scope

TABLE 2. Global Monoclonal Antibody Therapeutics market estimates & forecasts by Region 2022-2032 (USD Billion)

TABLE 3. Global Monoclonal Antibody Therapeutics market estimates & forecasts by Source 2022-2032 (USD Billion)

TABLE 4. Global Monoclonal Antibody Therapeutics market estimates & forecasts by Therapy Area 2022-2032 (USD Billion)

TABLE 5. Global Monoclonal Antibody Therapeutics market estimates & forecasts by Route of Administration 2022-2032 (USD Billion)

TABLE 6. Global Monoclonal Antibody Therapeutics market estimates & forecasts by Production Method 2022-2032 (USD Billion)

TABLE 7. Global Monoclonal Antibody Therapeutics market estimates & forecasts by End User 2022-2032 (USD Billion)

TABLE 8. Global Monoclonal Antibody Therapeutics market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 9. Global Monoclonal Antibody Therapeutics market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 10. U.S. Monoclonal Antibody Therapeutics market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 11. U.S. Monoclonal Antibody Therapeutics market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 12. U.S. Monoclonal Antibody Therapeutics market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 13. Canada Monoclonal Antibody Therapeutics market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 14. Canada Monoclonal Antibody Therapeutics market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 15. Canada Monoclonal Antibody Therapeutics market estimates & forecasts by segment 2022-2032 (USD Billion)

.....

This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable.

List Of Figures

LIST OF FIGURES

- FIG 1. Global Monoclonal Antibody Therapeutics market, research methodology
- FIG 2. Global Monoclonal Antibody Therapeutics market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Monoclonal Antibody Therapeutics market, key trends 2023
- FIG 5. Global Monoclonal Antibody Therapeutics market, growth prospects 2022-2032
- FIG 6. Global Monoclonal Antibody Therapeutics market, porters 5 force model
- FIG 7. Global Monoclonal Antibody Therapeutics market, PESTEL analysis
- FIG 8. Global Monoclonal Antibody Therapeutics market, value chain analysis
- FIG 9. Global Monoclonal Antibody Therapeutics market by segment, 2022 & 2032 (USD Billion)
- FIG 10. Global Monoclonal Antibody Therapeutics market by segment, 2022 & 2032 (USD Billion)
- FIG 11. Global Monoclonal Antibody Therapeutics market by segment, 2022 & 2032 (USD Billion)
- FIG 12. Global Monoclonal Antibody Therapeutics market by segment, 2022 & 2032 (USD Billion)
- FIG 13. Global Monoclonal Antibody Therapeutics market by segment, 2022 & 2032 (USD Billion)
- FIG 14. Global Monoclonal Antibody Therapeutics market, regional snapshot 2022 & 2032
- FIG 15. North America Monoclonal Antibody Therapeutics market 2022 & 2032 (USD Billion)
- FIG 16. Europe Monoclonal Antibody Therapeutics market 2022 & 2032 (USD Billion)
- FIG 17. Asia-Pacific Monoclonal Antibody Therapeutics market 2022 & 2032 (USD Billion)
- FIG 18. Latin America Monoclonal Antibody Therapeutics market 2022 & 2032 (USD Billion)
- FIG 19. Middle East & Africa Monoclonal Antibody Therapeutics market 2022 & 2032 (USD Billion)
- FIG 20. Global Monoclonal Antibody Therapeutics market, company market share analysis (2023)

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This list is not complete, final report does contain more than 50 figures. The list may be updated in the final deliverable.

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