

Monoclonal Antibodies Market Report by Production Method (In Vivo, In Vitro), Source (Murine, Chimeric, Humanized, Human), Indication (Cancer, Autoimmune Diseases, Inflammatory Diseases, Infectious Diseases, and Others), End Use (Hospitals, Research Institutes, and Others), and Region 2024-2032

<https://marketpublishers.com/r/M897FA858DB3EN.html>

Date: April 2024

Pages: 135

Price: US\$ 3,899.00 (Single User License)

ID: M897FA858DB3EN

Abstracts

The global monoclonal antibodies market size reached US\$ 221.7 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 392.6 Billion by 2032, exhibiting a growth rate (CAGR) of 6.4% during 2024-2032.

Monoclonal antibodies (mAbs) are laboratory-produced proteins used to serve as substitute antibodies that can enhance, modify, restore, and mimic the attack of the immune system on unwanted cells. They are utilized for detecting and targeting cancer cells for destruction by enhancing the immune system. They are also employed to block the connection between a cancer cell and proteins that promote cell growth. In addition, they prevent the formation of proteins for enabling immune system cells to work efficiently against cancer cells. Besides this, mAbs transport the radiation treatment directly to cancer cells and minimize the effect of radiation on healthy cells

Monoclonal Antibodies Market Trends:

At present, the growing prevalence of chronic diseases, such as cancer, heart disease, stroke, diabetes, and arthritis, represents one of the key factors driving the market. Besides this, leading manufacturers are extensively investing in research and development (R&D) activities to introduce enhanced mAb drugs for treating neurodegenerative diseases, such as Alzheimer's, Huntington's, Parkinson's, and Lewy body diseases. They are also focusing on various marketing strategies to expand their

customer base, which is contributing to the growth of the market. In addition, the increasing demand for humanized mAbs to treat various antigens, such as cancer cells, immunosuppression, and immunomodulatory molecules, are offering lucrative growth opportunities to industry investors. Apart from this, there is a rise in the demand for cost-efficient biosimilar mAbs to treat cancer across the globe. This, along with the burgeoning healthcare industry, is propelling the growth of the market. Moreover, technological advancements in various genetic platforms, such as next-generation sequencing, is offering a positive market outlook. Additionally, there is an increase in the employment of advanced genetic engineering technology in mAbs production around the world. This, coupled with the rising awareness among the masses about the benefits of mAb therapy, is bolstering the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global monoclonal antibodies market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on production method, source, indication and end use.

Breakup by Production Method:

- In Vivo
- In Vitro

Breakup by Source:

- Murine
- Chimeric
- Humanized
- Human

Breakup by Indication:

- Cancer
- Autoimmune Diseases
- Inflammatory Diseases
- Infectious Diseases
- Others

Breakup by End Use:

Hospitals
Research Institutes
Others

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being AbbVie Inc., Amgen Inc., Biogen Inc., F. Hoffmann-La Roche AG, GSK plc, Johnson & Johnson, Merck KGaA, Novartis AG, Novo Nordisk A/S, Pfizer Inc., Sanofi S.A. and Thermo Fisher Scientific Inc.

Key Questions Answered in This Report

1. What was the size of the global monoclonal antibodies market in 2023?
2. What is the expected growth rate of the global monoclonal antibodies market during 2024-2032?
3. What are the key factors driving the global monoclonal antibodies market?
4. What has been the impact of COVID-19 on the global monoclonal antibodies market?
5. What is the breakup of the global monoclonal antibodies market based on the production method?
6. What is the breakup of the global monoclonal antibodies market based on the source?
7. What is the breakup of the global monoclonal antibodies market based on the indication?
8. What is the breakup of the global monoclonal antibodies market based on the end use?
9. What are the key regions in the global monoclonal antibodies market?
10. Who are the key players/companies in the global monoclonal antibodies market?

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