

Global Antibody Discovery Market Size study & Forecast, by Method(Phage Display, Hybridoma and Others) by Antibody Type(Humanized Antibody, Human Antibody, Chimeric Antibody, Murine Antibody), by End User(Pharmaceutical and Biotechnology industry, Research laboratory, Academic laboratory) and Regional Analysis, 2023-2030

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Abstracts

Global Antibody Discovery Market is valued approximately USD 6.9 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 9.7% over the forecast period 2023-2030. Antibody discovery is the process of identifying and developing antibodies that can specifically recognize and bind to target molecules, such as proteins or pathogens, in the human body. Antibodies are Y-shaped proteins produced by the immune system in response to the presence of foreign substances, known as antigens. The goal of antibody discovery is to generate antibodies that can be used for various purposes, including diagnostics, therapeutics, and research tools. These antibodies can be designed to selectively bind to a specific target, such as a cancer cell marker, a viral protein, or a receptor on a cell surface. The Antibody Discovery market is expanding because of factors such as increase in investment in R&D activities of antibody discovery and surge in prevalence of infectious & chronic diseases.

According to the World Health Organisation (WHO), low- and middle-income nations would account for 77% of fatalities from chronic diseases in 2021. As a result, the rise in the prevalence of chronic diseases has raised the necessity for producing high-quality antibodies. In addition to these, The Journal of Biomedical and Environmental Science

estimates that in China, 330 million individuals would have cardiovascular disease in year 2021. Additionally, the American Cancer Society reports that in 2020, there were around 1.8 million new cancer cases diagnosed and 606,520 cancer deaths reported in the United States. In addition, the market is expanding as a result of increased R&D investments in antibody discovery and the rise in demand for better, more affordable, and more effective treatments for a number of diseases. Antibodies offer a promising approach to treating diseases since they may be altered to target specific infections and can be administered with little adverse effects. To promote the development of rapid antibody discovery, Abzena, a leading provider of biologics and antibody drug conjugates, announced in September 2022 that it will increase its research and development capacity in Cambridge. Moreover, increased awareness of personalized medicine among consumers and rise in funding for research and development centers is creating a lucrative opportunity to the market. However, high cost of antibody discovery hampers the market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Antibody Discovery Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to prevalence of diseases in the region, dominance of key market players and rising number of research and development activities in the region. Asia Pacific is expected to grow significantly during the forecast period, owing to factors such as rising disease prevalence and target populations, an increase in the number of collaborations for discovery activities, geographic expansion of key players, and active participation of government and nonprofit organizations in the market space.

Major market player included in this report are:

Fairjourney Biologics S.A
Biocytogen Pharmaceuticals Co Ltd
Genscript Technology Corporation
Danaher Corporation
Creative Biolabs Inc.
Twist Bioscience Corporation
Evotec SE
Sartorius AG
Charles River Laboratories International, Inc.
Eurofins Scientific SE

Recent Developments in the Market:

In January 2023, Hansoh Pharmaceutical Group Company Limited and Biocytogen Pharmaceuticals have announced a partnership, assignment, and exclusive licence agreement for antibodies. In accordance with this contract, Biogen grants Hansoh Pharma a licence to use its human antibody molecules for the global development and production of antibodies.

Global Antibody Discovery Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Method, Antibody Type, End User, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Methodofferings of key players. The detailed segments and sub-segment of the market are explained below:

By Method:

Phage Display

Hybridoma

Others

By Antibody Type:

Humanized Antibody

Human Antibody

Chimeric Antibody

Murine Antibody

By End User:

Pharmaceutical and Biotechnology industry

Research laboratory

Academic laboratory

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

Rest of Middle East & Africa

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