

Immunohistochemistry Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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Abstracts

The global immunohistochemistry market size reached US\$ 2.2 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 3.6 Billion by 2027, exhibiting a growth rate (CAGR) of 8.3% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

Immunohistochemistry (IHC) is a laboratory method for checking specific antigens in a tissue sample using antibodies. The antibodies generally bind to an enzyme or a fluorescent dye, which helps researchers see an antigen under a microscope. IHC is widely used to diagnose chronic diseases like cancer and aids in distinguishing their types. As compared to conventional enzyme staining techniques that identify a limited number of proteins, enzymes, and tissue structures, IHC involves specific antigen-antibody reactions. As a result, it is gaining traction as a crucial technique in medical research laboratories and clinical diagnostics to visualize the distribution and localization of specific cellular components within cells.

Immunohistochemistry Market Trends:

The sudden onset of coronavirus disease (COVID-19) has led to a global healthcare crisis. This is escalating the need for IHC for quick and effective drug development and diagnosis of the infection. Apart from this, significant growth in the number of individuals who have cancer, tumors, muscle diseases, and neurodegenerative disorders acts as another key factor driving the market. Moreover, IHC can characterize various biological processes and pathologies, including wound-healing, immune response, and tissue rejection and biomaterial interactions. As a result, it is gaining traction to determine the

function of specific gene products in fundamental biological processes and confirm infectious agents in tissues. Moreover, several novel fluorescent dyes, excellent color contrast, high resolution, and simultaneous multicolor imaging have been introduced recently. These innovations are anticipated to make immunofluorescence microscopy a convenient tool for studying pathobiological processes at the cellular level in the forthcoming years.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global immunohistochemistry market report, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on product, application, end use.

Breakup by Product:

- Antibodies
 - Primary Antibodies
 - Secondary Antibodies
- Equipment
- Slide Staining Systems
- Tissue Microarrays
- Tissue Processing Systems
- Slide Scanners
- Others
- Reagents
 - Histological Stains
 - Blocking sera and Reagents
 - Chromogenic Substrates
 - Fixation Reagents
- Stabilizers
- Organic Solvents
- Proteolytic Enzymes
- Diluents
- Kits

Breakup by Application:

- Diagnostics
 - Cancer

Infectious Diseases
Cardiovascular Diseases
Autoimmune Diseases
Diabetes Mellitus
Nephrological Diseases
Drug Testing

Breakup by End Use:

Hospitals and Diagnostic Laboratories
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 Abcam plc, Agilent Technologies Inc., Beckman Coulter Inc. (Danaher Corporation), Becton Dickinson and Company, Bio SB Inc., Bio-Rad Laboratories Inc., Bio-Techne Corporation, Cell Signaling Technology Inc., F. Hoffmann-La Roche AG, Merck KGaA, Perkinelmer Inc. and Thermo Fisher Scientific Inc.

Key Questions Answered in This Report:

How has the global immunohistochemistry market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global immunohistochemistry market?

What are the key regional markets?

What is the breakup of the market based on the product?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end use?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global immunohistochemistry market and who are the key players?

What is the degree of competition in the industry?

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