

# Immunochemicals: Market Research Report

<https://marketpublishers.com/r/IE0474D6255EN.html>

Date: April 2018

Pages: 281

Price: US\$ 5,450.00 (Single User License)

ID: IE0474D6255EN

## Abstracts

This report analyzes the worldwide markets for Immunochemicals in US\$ Thousand by the following Product Types: Catalog Antibodies, and Custom Antibodies.

The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World. Annual estimates and forecasts are provided for the period 2016 through 2024.

Also, a five-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research.

Company profiles are primarily based on public domain information including company URLs. The report profiles 116 companies including many key and niche players such as

-

Abcam Plc

Agilent Research Laboratories

Beckman Coulter GmbH

Biologend, Inc.

Bio-Rad Laboratories, Inc.

Cell Signaling Technology, Inc.

## Contents

### I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

#### II. EXECUTIVE SUMMARY

##### 1. INDUSTRY OVERVIEW

Immunochemicals – A Prelude

Research Antibodies Market: Critical Role in Drug Discovery and Research

**Table 1.** Antibody-based Application by Type: 2017 (includes corresponding Graph/Chart)

Key Factors Influencing Purchasing Decisions

**Table 2.** Research and Development Budget Growth of Top Pharma Companies: 2013-2018 (includes corresponding Graph/Chart)

Citations: One of the Key Factors Driving Research Antibodies' Purchase

The US Dominates the Global Immunochemicals Market

Emerging Markets Offer Huge Potential

Catalog Antibodies – The Largest Market Segment

Custom Antibodies: Finding Favor in Research Applications

Primary Antibodies Dominate the Market

Competitive Scenario

**Table 3.** Global Primary Research Antibodies Market by Leading Players: Market Share for the year 2016 (includes corresponding Graph/Chart)

##### 2. MARKET TRENDS AND GROWTH DRIVERS

Increasing Research Funding Bolsters Market Growth

**Table 4.** NIH Budget Appropriations for Financial Years: 2007 to 2017 (includes

corresponding Graph/Chart)

Chinese Market to Become the Largest Investor in Basic Research  
Cancer Research Drives the Global Immunochemicals Market

**Table 5.** Growing Burden of Cancer Worldwide - Number of New Cancer Cases and Cancer-Related Deaths for the Year 2012 and 2030 (includes corresponding Graph/Chart)

Cancer Ranks Among the Top Ten Causes of Death Worldwide

**Table 6.** Common Cause of Cancer Deaths Worldwide - Number of Deaths due to Select Types of Cancer for 2015 (includes corresponding Graph/Chart)

**Table 7.** New Cancer Cases in the World by Affected Site: 2012 (in Thousands) (includes corresponding Graph/Chart)

'Reproducibility Crisis' of Antibodies - A Major Cause of Concern  
Proper Validation of Antibodies – Vendor Do their Part  
New Technologies for Antibodies Validation  
Personalized Medicine Offers New Growth Avenues  
Rabbit Monoclonal Antibodies Score over Other Animal Antibodies  
Researchers Prefer Commercial Research to Academic Research  
Increasing Collaborations between Industry and Academia

### **3. AN INTRODUCTION TO IMMUNOCHEMICALS**

#### **4. ANTIBODIES – A PRIMER**

Introduction to Antibodies  
Antibodies in Research Applications  
Monoclonal Antibodies  
Properties  
Applications  
Monoclonal Antibodies for Cancer Treatment  
Various Types of mAbs Used in Cancer Treatment  
Polyclonal Antibodies

Production Process  
Properties  
Applications  
Conjugate Antibodies  
Antibody Drug Conjugate Technology – An Overview  
ADC Technology – Its Evolution and Developmental Challenges  
Antibody Technology – Enables Better Specificity and Batch Consistency (2016)  
ABfinity Technology  
Linker Technology  
Challenges  
Pre-requisites of an Effective ADC  
ADC Manufacturing – The Need for Outsourcing  
Target Antigen Selection Critical in Developing Successful ADCs  
Forms of Tumor-Related Antigens  
Availability of ADCs  
Antibody-Drug Conjugates (ADCs) in Development  
ADC Market: An Insight into the Future

## **5. RECENT INDUSTRY ACTIVITY**

MedImmune & Sanofi Pasteur Enters Agreement to Develop & Commercialize MEDI8897  
TRIANNI Signs License Agreement with Fred Hutch  
ImmunoPrecise Introduces New Research Initiative  
Green Mountain Signs Agreement with ILRI  
Abcam Extends License & Supply Agreement with Horizon Discovery  
Shire Plc. Signs License Agreement with Novimmune S. A to Broaden Monoclonal Antibody Research Platform  
Morphotek Partners with Johns Hopkins University to Research and Develop of Biological Therapies  
Rockland Announces Availability of New Melanoma Cell Lines for Research  
Kymab and MD Anderson Team Up for R&D in Immuno-Oncology  
Achaogen and Crystal Bioscience to Develop Multiple Targeted Antibodies  
Zymeworks Announces the Merger and Acquisition of Kairos Therapeutics  
Merck Acquires Sigma-Aldrich  
Abzena Acquires The Chemistry Research Solution LLC  
Abcam Enters into a Definitive Agreement to Acquire AxioMx.  
Igenica Biotherapeutics Signs Deal with MedImmune  
Regeneron Pharma Signs Deal with The Experimental Therapeutics Institute

Invenra Partners with Oxford BioTherapeutics  
Bio-Rad Labs Releases PrecisonAb Antibodies for use in Western Blotting  
Cell Signaling Technology Releases 6 New Monoclonal Antibodies  
Abcam Launches an Anti-PD-L1 Primary Antibody

## 6. FOCUS ON SELECT GLOBAL PLAYERS

Abcam Plc. (UK)  
Agilent Research Laboratories (USA)  
Beckman Coulter GmbH (USA)  
Biolegend, Inc. (USA)  
Bio-Rad Laboratories, Inc. (USA)  
Cell Signaling Technology, Inc. (USA)  
GenScript Biotech Corporation  
PerkinElmer, Inc. (USA)  
Rockland Immunochemicals, Inc. (USA)  
Santa Cruz Biotechnology, Inc. (USA)  
Merck (Sigma-Aldrich Corporation) (USA)  
Thermo Fisher Scientific Inc. (USA)

## 7. GLOBAL MARKET PERSPECTIVE

**Table 8.** World Recent Past, Current & Future Analysis for Immunochemicals by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 9.** World Historic Review for Immunochemicals by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 10.** World 14-Year Perspective for Immunochemicals by Geographic Region - Percentage Breakdown of Annual Revenues for US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

**Table 11.** World Recent Past, Current & Future Analysis for Catalog Antibodies by

Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 12.** World Historic Review for Catalog Antibodies by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 13.** World 14-Year Perspective for Catalog Antibodies by Geographic Region - Percentage Breakdown of Annual Revenues for US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

**Table 14.** World Recent Past, Current & Future Analysis for Custom Antibodies by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 15.** World Historic Review for Custom Antibodies by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 16.** World 14-Year Perspective for Custom Antibodies by Geographic Region - Percentage Breakdown of Annual Revenues for US, Canada, Japan, Europe, Asia-Pacific, Latin America, and Rest of World Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

### **III. MARKET**

#### **1. THE UNITED STATES**

##### **A. Market Analysis**

United States: The Largest Region for Immunochemicals Worldwide  
Increase in NIH Funding to Support Basic Research

**Table 17.** NIH Appropriations for Financial Years: 2007 To 2017 (includes

corresponding Graph/Chart)

Increase in Cancer Incidence Drives Oncology Research

**Table 18.** Estimated Number of New Cancer Cases in the US by Gender and Affected Site for 2017 (includes corresponding Graph/Chart)

**Table 19.** Estimated Number of Cancer-Related Deaths in the US by Gender and Body Site for 2017 (includes corresponding Graph/Chart)

**Table 20.** Estimated Number of New Cancer Cases in the US by State for 2017 (includes corresponding Graph/Chart)

Strategic Corporate Developments

Select Key Players

B. Market Analytics

**Table 21.** The US Recent Past, Current & Future Analysis for Immunochemicals by Type - Catalog Antibodies and Custom Antibodies Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 22.** The US Historic Review for Immunochemicals by Type - Catalog Antibodies and Custom Antibodies Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 23.** The US 14-Year Perspective for Immunochemicals by Type - Percentage Breakdown of Annual Revenues for Catalog Antibodies and Custom Antibodies Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

## 2. CANADA

A. Market Analysis

Cancer Incidence in Canada

**Table 24.** New Cancer Cases (in Thousands) in Canada by Gender for 2015 and 2016

(includes corresponding Graph/Chart)

**Table 25.** New Cancer Cases in Canada by Gender and Affected Site for 2016

(includes corresponding Graph/Chart)

Strategic Corporate Developments

B. Market Analytics

**Table 26.** Canadian Recent Past, Current & Future Analysis for Immunochemicals by Type - Catalog Antibodies and Custom Antibodies Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 27.** Canadian Historic Review for Immunochemicals by Type - Catalog Antibodies and Custom Antibodies Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 28.** Canadian 14-Year Perspective for Immunochemicals by Type - Percentage Breakdown of Annual Revenues for Catalog Antibodies and Custom Antibodies Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

### 3. JAPAN

A. Market Analysis

**Table 29.** Cancer Incidence and Number of Cancer-Related Deaths among Japanese Men and Women for 2015 (includes corresponding Graph/Chart)

B. Market Analytics

**Table 30.** Japanese Recent Past, Current & Future Analysis for Immunochemicals by Type - Catalog Antibodies and Custom Antibodies Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 31.** Japanese Historic Review for Immunochemicals by Type - Catalog Antibodies



and Custom Antibodies Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 32.** Japanese 14-Year Perspective for Immunochemicals by Type - Percentage Breakdown of Annual Revenues for Catalog Antibodies and Custom Antibodies Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

## 4. EUROPE

### A. Market Analysis

Current and Future Analysis

Research Funding in Europe

Cancer Statistics

**Table 33.** Number of New Cancer Cases in Europe (2012-2030) (in Million) (includes corresponding Graph/Chart)

Strategic Corporate Developments

Select Key Player

### B. Market Analytics

**Table 34.** European Recent Past, Current & Future Analysis for Immunochemicals by Region - France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 35.** European Historic Review for Immunochemicals by Region - France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 36.** European 14-Year Perspective for Immunochemicals by Region - Percentage Breakdown of Dollar Sales for France, Germany, Italy, UK, Spain, Russia, and Rest of Europe Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

**Table 37.** European Recent Past, Current & Future Analysis for Immunochemicals by Type - Catalog Antibodies and Custom Antibodies Markets Independently Analyzed with

Annual Revenue Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 38.** European Historic Review for Immunochemicals by Type - Catalog Antibodies and Custom Antibodies Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 39.** European 14-Year Perspective for Immunochemicals by Type - Percentage Breakdown of Annual Revenues for Catalog Antibodies and Custom Antibodies Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

## 5. ASIA-PACIFIC

### A. Market Analysis

Asia-Pacific – The Fastest Growing Market for Immunochemicals Globally

Cancer Research: A Focal Area

### B. Market Analytics

**Table 40.** Asia-Pacific Recent Past, Current & Future Analysis for Immunochemicals by Region - China and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2016 Through 2024 (includes corresponding Graph/Chart)

**Table 41.** Asia-Pacific Historic Review for Immunochemicals by Region - China and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US\$ Thousand for Years 2011 Through 2015 (includes corresponding Graph/Chart)

**Table 42.** Asia-Pacific 14-Year Perspective for Immunochemicals by Region - Percentage Breakdown of Dollar Sales for China and Rest of Asia-Pacific Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

**Table 43.** Asia-Pacific Recent Past, Current & Future Analysis for Immunochemicals by Type - Catalog Antibodies and Custom Antibodies Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2016 Through 2024 (includes corresponding Graph/Chart)

**Table 44.** Asia-Pacific Historic Review for Immunochemicals by Type - Catalog Antibodies and Custom Antibodies Markets Independently Analyzed with Annual

Revenue Figures in US\$ Thousand for Years 2011 Through 2015 (includes corresponding Graph/Chart)

**Table 45.** Asia-Pacific 14-Year Perspective for Immunochemicals by Type - Percentage Breakdown of Dollar Sales for Catalog Antibodies and Custom Antibodies Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

## 5A. CHINA

### A. Market Analysis

Increased Investments in Basic Research

Rising Incidence of Cancer & Age-Related Conditions: Potential Opportunity

**Table 46.** Cancer Statistics in China - New Cancer Cases and Cancer-Related Deaths for 2015

### B. Market Analytics

**Table 47.** Chinese Recent Past, Current & Future Analysis for Immunochemicals by Type - Catalog Antibodies and Custom Antibodies Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 48.** Chinese Historic Review for Immunochemicals by Type - Catalog Antibodies and Custom Antibodies Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 49.** Chinese 14-Year Perspective for Immunochemicals by Type - Percentage Breakdown of Annual Revenues for Catalog Antibodies and Custom Antibodies Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

## 5B. REST OF ASIA-PACIFIC

### Market Analysis

**Table 50.** Rest of Asia-Pacific Recent Past, Current & Future Analysis for

Immunochemicals by Type - Catalog Antibodies and Custom Antibodies Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2016 Through 2024 (includes corresponding Graph/Chart)

**Table 51.** Rest of Asia-Pacific Historic Review for Immunochemicals by Type - Catalog Antibodies and Custom Antibodies Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2011 Through 2015 (includes corresponding Graph/Chart)

**Table 52.** Rest of Asia-Pacific 14-Year Perspective for Immunochemicals by Type - Percentage Breakdown of Annual Revenues for Catalog Antibodies and Custom Antibodies Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

## 6. LATIN AMERICA

Market Analysis

**Table 53.** Latin American Recent Past, Current & Future Analysis for Immunochemicals by Type - Catalog Antibodies and Custom Antibodies Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 54.** Latin American Historic Review for Immunochemicals by Type - Catalog Antibodies and Custom Antibodies Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2011 Through 2015 (includes corresponding Graph/Chart)

**Table 55.** Latin American 14-Year Perspective for Immunochemicals by Type - Percentage Breakdown of Annual Revenues for Catalog Antibodies and Custom Antibodies Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

## 7. REST OF WORLD

A. Market Analysis

Strategic Corporate Development

B. Market Analytics

**Table 56.** Rest of World Recent Past, Current & Future Analysis for Immunochemicals by Type - Catalog Antibodies and Custom Antibodies Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2016 through 2024 (includes corresponding Graph/Chart)

**Table 57.** Rest of World Historic Review for Immunochemicals by Type - Catalog Antibodies and Custom Antibodies Markets Independently Analyzed with Annual Revenue Figures in US\$ Thousand for Years 2011 through 2015 (includes corresponding Graph/Chart)

**Table 58.** Rest of World 14-Year Perspective for Immunochemicals by Type - Percentage Breakdown of Annual Revenues for Catalog Antibodies and Custom Antibodies Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

#### **IV. COMPETITIVE LANDSCAPE**

Total Companies Profiled: 116 (including Divisions/Subsidiaries - 124)

The United States (75)

Canada (5)

Japan (2)

Europe (37)

    France (4)

    Germany (7)

    The United Kingdom (10)

    Rest of Europe (16)

Asia-Pacific (Excluding Japan) (5)

## I would like to order

Product name: Immunochemicals: Market Research Report

Product link: <https://marketpublishers.com/r/IE0474D6255EN.html>

Price: US\$ 5,450.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/IE0474D6255EN.html>