

Global TROP2 Antibody Market Opportunity & Clinical Trials Insight 2030

<https://marketpublishers.com/r/GE05C2A6A2E9EN.html>

Date: February 2025

Pages: 200

Price: US\$ 2,800.00 (Single User License)

ID: GE05C2A6A2E9EN

Abstracts

Please note: extra shipping charges are applied when purchasing Hard Copy License depending on the location.

Global TROP2 Antibody Market Opportunity & Clinical Trials Insight 2030 Report
Highlights & Inclusions:

TROP2 Antibody Global & Regional Sales Insights

Global TROP2 Antibody Market Opportunity: > US\$ 4 Billion

Global TROP2 Antibody Market Witnessed 23% Growth In 2024

TROP2 Therapeutic Market Trends By Region & Indications

Approved Drugs Dosage, Price & Sales Insight: Global & Regional

TROP2 Antibodies Clinical Trials Insight By Company, Country, Indication & Phase

Insight On More Than 40 Antibodies In Clinical Trials

TROP2 (Trophoblast cell surface antigen 2) has emerged as a significant therapeutic target in the fight against various cancers. This Type-I transmembrane glycoprotein is encoded by the TACSTD2 gene and plays a key role in regulating cell signaling pathways, particularly by modulating EpCAM-induced signaling. TROP2 is overexpressed in numerous epithelial cancers, leading to an increased tumor growth

rate and metastasis. Moreover, its overexpression is associated with poor prognosis, particularly in solid tumors, making it an ideal target for targeted cancer therapies.

As traditional cancer therapies often come with limitations, such as severe side effects and ineffectiveness in certain patient populations, the need for new approaches is growing. The targeted therapy segment has seen significant growth in recent years, with a focus on novel cancer antigens, receptors, and biomarkers. TROP2-targeted therapies represent one such promising avenue, demonstrating high safety and therapeutic efficacy across several major cancer types. These therapies aim to deliver cytotoxic drugs directly to tumor sites, potentially reducing the adverse effects associated with traditional treatments.

As of February 2025, three TROP2-targeted therapies have been approved for clinical use, marking a major milestone in the commercialization of this approach. The first of these is Trodelvy (sacituzumab govitecan), which received accelerated FDA approval in 2020 for the treatment of metastatic triple-negative breast cancer (TNBC). Trodelvy was later granted full approval in 2021 and expanded its indication in 2023 to include HR+/HER2- metastatic breast cancer. Another significant approval came in late 2024, when Sacituzumab Tirumotecan (SKB264) was granted approval in China for TNBC. Additionally, Datroway (dato-dxd), an ADC developed by AstraZeneca and Daiichi Sankyo, was approved for breast cancer in the US and Japan. These approvals highlight the growing role of TROP2-targeted therapies in oncology and the expanding market potential.

The commercial success of Trodelvy has been a key driver of the TROP2-targeted therapy market. The drug's success has spurred additional research and investment into the TROP2 pathway, with several pharmaceutical companies and biotechnology firms intensifying their focus on this target. Major players in the TROP2 space include Gilead, AstraZeneca, Daiichi Sankyo, Klus Pharma, Biothera, Escugen Biotechnology, and Shanghai Junshi Biosciences. Many of these companies have incorporated TROP2-targeted therapies into their clinical pipelines, with numerous candidates in early and mid-stages of development.

Several TROP2-targeted therapies are currently in clinical trials, with investigational drugs such as OBI-992, JS108, ESG-401 and SHR-A1921 showing promise. These candidates, including monoclonal antibodies, antibody-drug conjugates (ADCs), immunotherapies and cell therapies, aim to expand the therapeutic options available to patients with difficult-to-treat cancers. As more of these therapies move through the

pipeline, the TROP2-targeted therapy market is expected to experience substantial growth.

In terms of market dynamics, the segment is expected to continue its expansion. Driven by the clinical success of Trodelvy, increasing investments, and a growing pipeline of TROP2-targeted therapies, this market is poised for significant growth. The therapeutic potential of TROP2-targeted treatments is vast, with applications for various cancer types, including TNBC, urothelial carcinoma, and other solid tumors. As more therapies are approved and enter the market, the commercial side of TROP2-targeted therapies will see continued development, offering new opportunities for both patients and pharmaceutical companies.

In conclusion, TROP2 as a therapeutic target holds considerable promise in revolutionizing cancer treatment. With three drugs already approved and many more in the pipeline, TROP2-targeted therapies are positioned to become a cornerstone of targeted cancer therapies. The growing interest from major pharmaceutical companies, along with the increasing number of investigational drugs, signals a bright future for this therapeutic approach in the oncology market.

Contents

1. INTRODUCTION TO TROP2 TARGETING THERAPY MARKET

- 1.1 Overview
- 1.2 TROP2 Targeting Therapeutics Mechanism
- 1.3 TROP2 Ideal Clinical Biomarker For Cancer

2. GLOBAL TROP2 TARGETED ANTIBODIES CLINICAL TRIALS INSIGHT

- 2.1 By Company
- 2.2 By Country
- 2.3 By Patient Segment
- 2.4 By Phase
- 2.5 By Priority Status

3. GLOBAL TROP2 ANTIBODY MARKET OUTLOOK

- 3.1 Current Market Scenario
- 3.2 Future Market Opportunities

4. UNVEILING TROP2 THERAPEUTIC FRONTIERS MARKET TREND BY REGION

- 4.1 US
- 4.2 China
- 4.3 Australia
- 4.4 South Korea
- 4.5 Europe
- 4.6 Taiwan
- 4.7 Japan

5. GLOBAL TROP2 TARGETING ANTIBODIES MARKET BY CANCER

- 5.1 Breast Cancer
- 5.2 Lung Cancer
- 5.3 Gastrointestinal Cancer
- 5.4 Urothelial Cancer
- 5.5 Ovarian Cancer

6. TRODELVY - FIRST APPROVED TROP2 TARGETING THERAPY

- 6.1 Overview, Availability & Patent Insight
- 6.2 Dosage & Price Analysis
- 6.3 Sales Analysis (2020 – 2024)

7. SACITUZUMAB TIRUMOTECAN

- 7.1 Overview, Availability & Patent Insight

8. DATROWAY

- 8.1 Overview, Availability & Patent Insight
- 8.2 Dosage & Price Analysis

9. TROP2 ANTIBODIES CLINICAL TRIALS INSIGHT BY COMPANY, COUNTRY, INDICATION & PHASE

- 9.1 Research
- 9.2 Preclinical
- 9.3 Phase I
- 9.4 Phase I/II
- 9.5 Phase II
- 9.6 Phase III

10. MARKETED TROP2 ANTIBODY CLINICAL INSIGHT

11. COMBINATION APPROACHES FOR TROP2 ANTIBODY

12. COMPETITIVE LANDSCAPE

- 12.1 Aptamer Sciences
- 12.2 Aston Science
- 12.3 AstraZeneca
- 12.4 Beijing Biocytogen
- 12.5 BiOneCure Therapeutics
- 12.6 Biosion
- 12.7 Bio-Thera Solutions
- 12.8 Daiichi Sankyo Company

12.9 Hangzhou DAC Biotech

12.10 Innovent Biologics

12.11 LegoChem Biosciences

12.12 Merck

12.13 OBI Pharma

12.14 Peak Bio

12.15 Shanghai Henlius Biotech

12.16 Suzhou GeneQuantum Healthcare

Figure 1-1: History & Milestones In TROP2 Targeting Therapeutics Market

Figure 1-2: TROP2 Stimulated Effectors, Biomarker & Pathways

Figure 1-3: TROP2 Regulated Oncogenic Cell Signaling Pathways

Figure 1-4: General Mechanism of TROP2 Targeting ADC

Figure 1-5: Trodelvy - Mechanism Of Action

Figure 1-6: Frequency of TROP2 Expression by Cancer Type (%)

Figure 1-7: Role of TROP2 In Cancer

Figure 2-1: Global –TROP2 Antibodies Clinical Pipeline By Company, 2025 - 2030

Figure 2-2: Global – TROP2 Antibodies Clinical Pipeline By Country, 2025 - 2030

Figure 2-3: Global – TROP2 Antibodies Clinical Pipeline By Patient Segment, 2025 - 2030

Figure 2-4: Global – TROP2 Antibodies Clinical Pipeline By Phase, 2025 - 2030

Figure 2-5: Global – TROP2 Antibodies Clinical Pipeline By Priority Status, 2025 - 2030

Figure 3-1: Phase 3 – Key TROP2 Drugs & Companies

Figure 3-2: Global – TROP2 Targeting Therapy Market (US\$ Million), 2020-2024

Figure 3-3: Global - TROP2 Antibody Market (US\$ Million), Q1–Q4'2024

Figure 3-4: Global - TROP2 Antibody Market By Region (US\$ Million), 2024

Figure 3-5: Global - TROP2 Antibody Market By Region (%), 2024

Figure 3-6: Future TROP2 Market

Figure 3-7: Global – TROP2 Antibodies Market (US\$ Million), 2025 - 2030

Figure 4-1: China TROP2 – Key Players & Drugs

Figure 4-2: FDA018-ADC Phase III Study (NCT06519370) – Initiation & Completion Year

Figure 4-3: South Korea – Key TROP2 Companies

Figure 4-4: OBI Pharma TROP2 Therapy Pipeline

Figure 5-1: Breast Cancer – Estimated & Projected Cases, 2022 & 2030

Figure 5-2: TROPION-Breast01 (NCT05104866) Phase 3 Study – Initiation & Completion Year

Figure 5-3: ESG401-101 (NCT04892342) Phase 1a/1b Study – Initiation & Completion Year

Figure 5-4: ESG401-301 (NCT06383767) Phase 3 Study – Initiation & Completion Year

Figure 5-5: ESG401-302 (NCT06732323) Phase 3 Study – Initiation & Completion Year

Figure 5-6: Lung Cancer – Estimated & Projected Cases, 2022 & 2030

Figure 5-7: EVOKE-01 (NCT05609968) Phase 3 Study – Initiation & Completion Year

Figure 5-8: EVOKE-03 (NCT05609968) Phase 3 Study – Initiation & Completion Year

Figure 5-9: EVOKE-02 (NCT05186974) Phase 2 Study – Initiation & Completion Year

Figure 5-10: Gastrointestinal Cancer – Estimated & Projected Cases, 2022 & 2030

Figure 5-11: KL264-01 Phase 1/2 Study – Initiation & Completion Year

Figure 5-12: MK-3475-06C (NCT06469944) Phase 1/2 Study – Initiation & Completion Year

Figure 5-13: MK-2870-015 (NCT06356311) Phase 3 Study – Initiation & Completion Year

Figure 5-14: OBI-992-001 (NCT06480240) Phase 1/2 Study – Initiation & Completion Year

Figure 5-15: MT-302 Phase I Study (NCT05969041) – Initiation & Completion Year

Figure 5-16: Urothelial Cancer – Estimated & Projected Cases, 2022 & 2030

Figure 5-17: Urothelial Cancer – Estimated & Projected Cases, 2022 & 2030

Figure 5-18: BNT-325 (NCT05438329) Phase 1/2 Study – Initiation & Completion Year

Figure 5-19: TROPION-PanTumor03 (NCT05489211) Phase 2 Study – Initiation & Completion Year

Figure 6-1: Trodelvy – Patent Expiration Year By Region

Figure 6-2: Trodelvy – Approval Year By Region

Figure 6-3: Trodelvy – FDA Orphan Designation Year By Indication

Figure 6-4: US – Price Of 180mg Vial Of Trodelvy Intravenous Powder (US\$), February'2025

Figure 6-5: EU – Price Of 180mg & 200mg Vials Of Trodelvy Intravenous Powder (US\$), February'2025

Figure 6-6: Global - Trodelvy Sales (US\$ Million), 2020-2024

Figure 6-7: Global - Trodelvy Sales (US\$ Million), Q1-Q4'2024

Figure 6-8: Regional –Trodelvy Sales by Region (US\$ Million), 2024

Figure 6-9: Trodelvy Sales By Region (%),2024

Figure 6-10: US –Trodelvy Sales (US\$ Million), 2021-2024

Figure 6-11: US –Trodelvy Sales (US\$ Million), Q1–Q4'2024

Figure 6-12: Europe - Trodelvy Sales (US\$ Million), 2021-2024

Figure 6-13: Europe - Trodelvy Sales (US\$ Million), Q1–Q4'2024

Figure 6-14: ROW - Trodelvy Sales (US\$ Million), 2021-2024

Figure 6-15: ROW - Trodelvy Sales (US\$ Million), Q1–Q4'2024

Figure 11-1: TROP2 Antibodies Combinations

Table 4-1: US – Ongoing Clinical Trials For TROP2 Targeting Therapies

Table 4-2: China – Ongoing Clinical Trials For TROP2 Targeting Therapies

Table 4-3: Preclinical TROP2 Candidates Development In China
Table 4-4: Australia – Ongoing Clinical Trials For TROP2 Targeting Therapies
Table 4-5: South Korea – Ongoing Clinical Trials For TROP2 Targeting Therapies
Table 4-6: Europe – Ongoing Clinical Trials For TROP2 Targeting Therapies
Table 4-7: Taiwan – Ongoing Clinical Trials For TROP2 Targeting Therapies
Table 4-8: Japan – Ongoing Clinical Trials For TROP2 Targeting Therapies
Table 5-1: Breast Cancer - Approved TROP2 Targeted Therapies
Table 5-2: Breast Cancer – Some TROP2 Targeted Candidates In Development
Table 5-3: Lung Cancer – TROP2 ADCs Under Review
Table 5-4: Lung Cancer – Some TROP2 Targeted Candidates In Development
Table 5-5: Gastric Cancer – Some TROP2 Targeted Candidates In Development
Table 5-6: Urothelial Cancer –Key TROP2 Targeted Candidates In Development
Table 5-7: Urothelial Cancer – Key TROP2 Targeted Candidates In Development
Table 6-1: Trodelvy - Dose Modifications For Adverse Reactions
Table 8-1: Datroway - Premedication & Concomitant Medications
Table 8-2: Datroway - Recommended Dosage Reductions For Adverse Reactions
Table 8-3: Datroway - Recommended Dosage Modifications
Table 11-1: TROP2 Targeting Therapy Combination In Development

I would like to order

Product name: Global TROP2 Antibody Market Opportunity & Clinical Trials Insight 2030

Product link: <https://marketpublishers.com/r/GE05C2A6A2E9EN.html>

Price: US\$ 2,800.00 (Single User License / Electronic Delivery)

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

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GE05C2A6A2E9EN.html>