

# Global Tetraspecific Antibodies Clinical Trials & Market Opportunity Insight 2024

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Date: May 2024

Pages: 100

Price: US\$ 3,300.00 (Single User License)

ID: G84A83E3110BEN

## Abstracts

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Global Tetraspecific Antibodies Clinical Trials & Market Opportunity Insight 2024 Report Highlights:

First Tetraspecific Antibody Expected Approval By 2029

China Dominating Global Tetraspecific Development Landscape

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

Tetraspecific Antibody Clinical Development Trend Analysis by Region: China, Europe & USA

Tetraspecific Development Proprietary Technologies By Company

Combination Stratagems for Tetraspecific Antibodies

The triumph in the domain of immunotherapies, like antibody therapies, has predisposed the future of multispecific antibodies; one such is tetraspecific approach. Given the ability of tetraspecific antibodies of binding more than the target, this class of multispecific antibodies had practical advantages in applications on the subject of bringing four targets in closer proximity. Therefore, by leveraging the potential of tetraspecific antibodies field offers a novel approach which will aid to offer treatment for

broad array of cancer subtypes together with personalized as well as dynamic therapeutic strategy.

Presently, no tetraspecific antibodies have entered into the commercial global market, thereby, representing an opportunity for pharma companies to advance the realm of tetraspecific antibodies. As per Kuick Research data, it is obvious that the comprehensive tetraspecific antibodies domain will modernize the treatment portrait for cancer ailments in next 5 to 7 years due to the fact that the up-to-date emphasis of pharma and biotech companies oscillates in the sphere of targeted therapies. The example of bispecific antibodies serves as the establishment for this. More than 100 contenders entered into the clinical conduit when the first bispecific antibody, Blincyto, triumph the market. Similarly, the realm of tetraspecific antibodies, for that reason, is estimated to follow an analogous triumph trajectory given that they are fundamentally an up gradation over bispecific and trispecific antibodies.

The commercial market of tetraspecific antibody is witnessing boom in the recent years on the account of several market dynamics. Aspects such as rise in preclinical and clinical trials, involvement of stakeholders, and technological advancement in conjugation with increase in healthcare expenditure are fueling the market growth of immunotherapies. Albeit, immune checkpoint blockers or drugs such as pembrolizumab (Keytruda), ipilimumab (Yervoy), etc. have frolicked a significant role in the treatment of wide array of cancer ailments; however, their ability to show effectiveness in subsets of patients as well as development of drug resistance is one of the Achilles heels, creating a significant unfulfilled gap. This drives the global shift of healthcare professionals from using monospecific therapies on the roadmap to tetraspecific antibodies domain.

Alongside, the upsurge in preclinical, translational coupled with other clinical trials is another characteristics which is influencing the global tetraspecific antibody commercial market. For instance, Baili-Bio (Chengdu) Pharmaceutical has inaugurated an open, multicenter, phase I/ II clinical trial with the purpose to evaluate the safety, tolerability, pharmacokinetics/ pharmacodynamics as well as antitumor activity of GNC-035, an octavalent, tetra specific T cell engager targeting ROR1, CD3, PD-L1, and 4-1BB, in patients suffering with relapsed or refractory Non-Hodgkin's lymphoma and other hematological malignancies. The clinical trial has an estimated enrollment of 40 participants that was initiated in November 2023 and is expected to be complete by November 2025.

As well as, the presences of pharma companies, like Sichuan Biokin Pharmaceuticals along with its subsidiaries, such as Systimmune, Sichuan Baili Pharmaceutical Co,

ModeX Therapeutics, an OPKO Health Company, and Molecular Partners accompanied with universities and hospitals, like Ruijin Hospital, is another prime mover for the market expansion of tetraspecific antibody arena.

To conclude, China is frontrunner in the domain of global tetraspecific antibody market; nevertheless, US is also engaged on its technology and mounting collaboration through global companies to progress tetraspecific antibodies. Furthermore, the development of combinations of tetraspecific antibodies is also pragmatic in the recent year, thus, representing gigantic opportunism in the years to come.

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