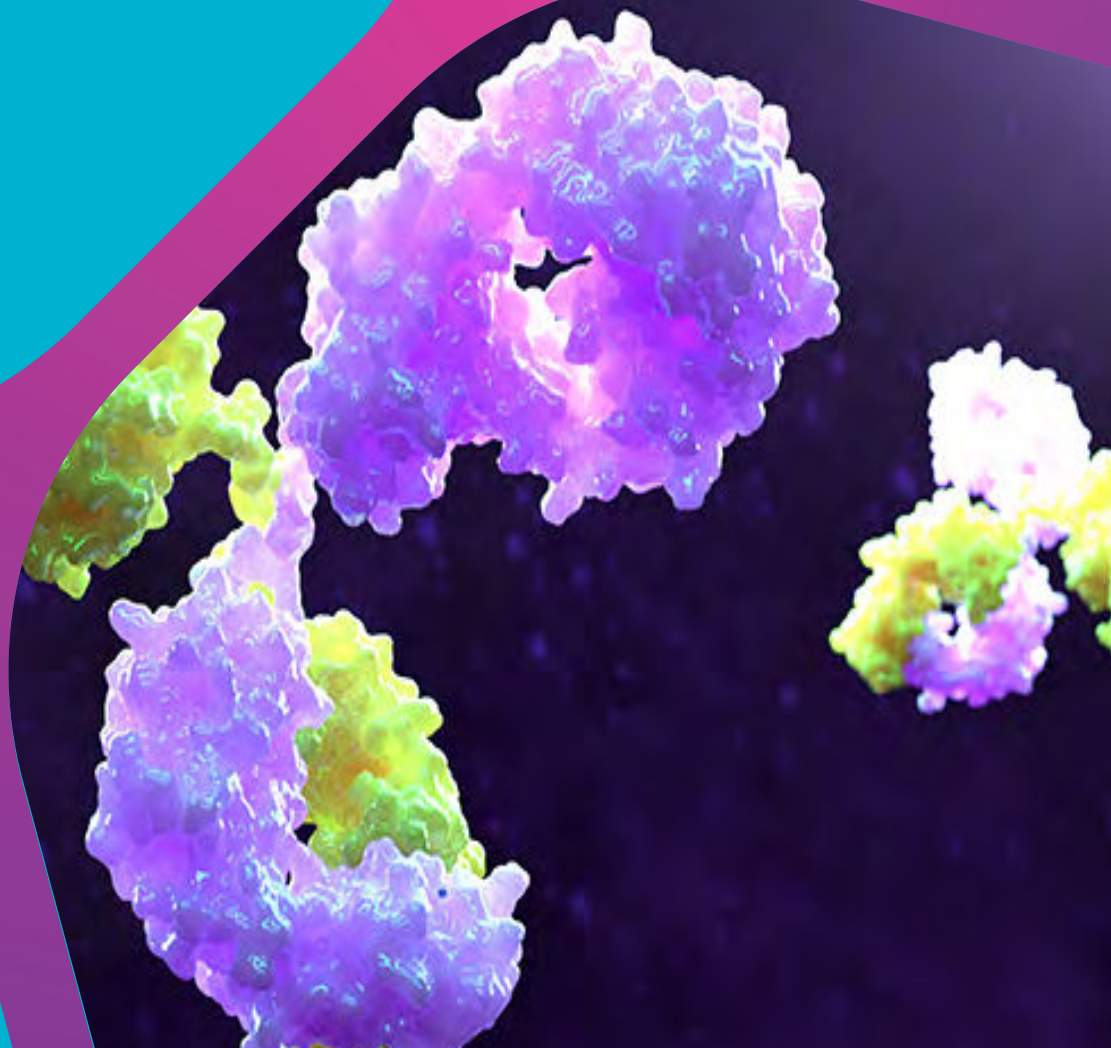




Scale Your Science with Functional RUO Bispecific Antibodies

From Ready-to-Ship Reagents to Custom
Bispecific Designs for Translational Research



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Dual-target mechanisms are rapidly reshaping preclinical immunology and cancer research, yet reliable, easy-to-access reagents for modeling these interactions remain limited. Bio X Cell bispecific antibodies close that gap.

Offered in both anti-human and anti-mouse formats, each bispecific is derived from well-cited *in vivo*-validated clones and manufactured to Bio X Cell's strict purity, reproducibility, and low-endotoxin standards, critical for both *in vivo* and *in vitro* organoid systems. Anti-mouse bispecific antibodies enable precise mechanistic and efficacy studies in standard preclinical models, while anti-human constructs extend those findings into translational assays and human-relevant platforms.

For advanced programs, Bio X Cell's custom bispecific design services support unique target pairings, engineered isotypes, and scalable production, delivering continuity from exploratory milligram quantities to gram-scale preclinical supply in as little as four weeks. With nearly three decades of antibody production expertise, Bio X Cell provides researchers with consistent, functionally validated bispecific antibodies that maintain data integrity and translational relevance from concept through IND-enabling studies.

Expert *in vivo* Antibody Production for Confident, Scalable Study Support



Specialized Scientific Bispecific Expertise

- Architecture guidance aligned to mechanism and study goals
- Human-relevant data without humanized models
- Therapeutic-relevant insights without clinical materials



Reliable RUO Production Capacity

- U.S.-based manufacturing with mg-g scale output
- Consistent large-volume production without lot re-engineering
- High-purity material maintained across scale



Ready to ship Catalog Availability

- Immediate study initiation with *in vivo*-ready purity
- $\geq 95\%$ purity, ≤ 0.5 EU/mg endotoxin
- Carrier- and preservative-free formulations
- Faster data generation and decisions

Flexible RUO Bispecific Antibodies for Scalable Translational Research



Anti-Human Bispecific Biosimilars

Mirror therapeutic architectures to benchmark pathway interactions, validate dual-target engagement, and evaluate translational mechanisms in human-relevant systems.



Anti-Mouse Bispecific Antibodies

Extend dual-target studies into standard preclinical models to assess immune engagement, tumor modulation, and pathway synergy without requiring specialized humanized systems.



Custom Bispecific Antibody Solutions

Flexible sizing, architectures, Fc engineering, and species pairings tailored to each research objective, with immediate project initiation and average four-week delivery from design to data.

Bio X Cell Ready-to-Ship Bispecific Advantages

These bispecific formats enable earlier investigation of dual-target biology using architectures modeled after known therapeutic designs, supporting clearer mechanistic insight in living systems.

Research Advantages At-a-Glance

- ✓ **Translationally aligned constructs** modeled after known therapeutic antibodies
- ✓ **Mouse and human bispecific options** to support pathway exploration across system
- ✓ **Ready-to-ship availability** to accelerate study start and reduce evaluation cycles

Featured Bispecific Antibodies

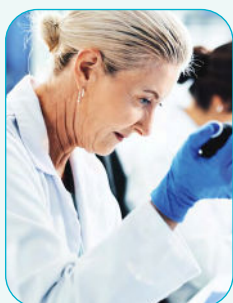
Target Pair	Therapeutic Analog	Species	Applications
CD3 x BCMA	Teclistamab	Human	Preclinical modeling of bispecific T-cell engager activity in multiple myeloma.
CD3 x GPRC5D	Talquetamab	Human	Evaluating dual-targeting strategies for resistant myeloma and T-cell redirection.
EGFR x MET	Amivantamab	Human	Studying receptor crosstalk, ligand competition, and resistance mechanism in epithelial tumors.
CD3 x CD20	Epcoritamab*	Mouse	Investigating dual B-cell targeting and T-cell engagement in syngeneic lymphoma models.
PD-1 x VEGF	Ivonescimab*	Mouse	Modeling immune checkpoint and angiogenic pathway interplay in mouse tumor studies.

* Engineered mouse bispecifics designed to dually target murine antigens corresponding to the therapeutic targets listed above.

Applications of Bio X Cell Bispecific Antibodies

- ✓ Dual-target engagement and T-cell redirection assays
- ✓ Receptor crosstalk and pathway interaction modeling
- ✓ Evaluation of resistant or relapsed disease mechanisms
- ✓ Mouse and humanized model benchmarking
- ✓ Tumor microenvironment and checkpoint modulation
- ✓ Immune-tumor pathway interaction studies

Custom, Flexible Solutions When Your Team Needs More Bandwidth



- ✓ **Tailored bispecific constructs** designed for complex mechanistic translational studies
- ✓ **Immediate start upon material receipt** with no queue or outsourcing bottlenecks
- ✓ **U.S.-based recombinant production** for reproducible output and supply continuity
- ✓ **Scalable output** from milligram discovery quantities to gram-scale preclinical batches
- ✓ **Custom projects average four-week turnaround** keeping studies on schedule



Antibody Solutions for Breakthrough Discovery

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