

Flexible Antibody Solutions for Complex Cancer Studies

From ready-to-use to fully customized
Built to advance *in vivo* cancer research



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Cancer research drives therapeutic innovation, from immune checkpoint inhibitors to tumor microenvironment studies. Challenges such as reproducibility gaps, batch variability, and insufficient validation continue to undermine experimental integrity.

Bio X Cell removes these barriers by offering antibodies with defined *in vivo* functionality. Featuring ultrapure, carrier free, low endotoxin formulations, cancer research solutions from Bio X Cell deliver consistent performance in your most sensitive model systems, from *in vitro* organoids/organ-on-chip systems to large-scale *in vivo* studies.

Ready-to-use hybridoma, recombinant, biosimilar, and bispecific antibodies enable seamless translation across platforms and study sizes. As your partner in preclinical cancer research, Bio X Cell provides the reliability to advance your next breakthrough.

Why Choose Bio X Cell?

Cited in Nearly 30,000 Publications. Trusted Worldwide.



Global leader in citations of antibodies for *in vivo* use



Exceptional quality & purity

- Formulated for *in vivo* use
- Unmatched lot-to-lot consistency
- ≤1EU/mg endotoxin level
- ≥95% Purity
- No added carriers or preservatives



PhD-level technical support



In vivo—ready, rigorously tested, with lot-specific certificates of analysis available on demand



Antibodies available globally with rapid shipping



Custom services for catalog modifications or your own antibodies



Flexible starting points including customer-provided cells, sequence or Bio X Cell antibody



Scalable production from milligrams to grams

Products

Product Categories for Cancer Biology Applications



InVivoMAb™ Antibodies

Functional monoclonals validated for tumor models and immune modulation



Conjugated Antibodies

Fluorophore-, biotin-, or enzyme-labeled antibodies for tumor phenotyping



InVivoPlus™ Antibodies

Enhanced-QC antibodies for regulatory or sensitive model studies



Isotype Controls

Validated controls for cancer immunology protocols



RecombiMAb™ Antibodies

Recombinant formats to ensure long-term batch consistency



Fusion Proteins

Functional protein constructs to probe cancer signaling pathways



InVivoSIM™ Biosimilars

Preclinical-grade biosimilars that mirror leading cancer immunotherapies



ReadyTag™ Antibodies

Anti-tag antibodies useful for detecting tagged proteins.

Products

Featured Products

With a growing catalog of over 700+ antibodies, Bio X Cell offers rapid global shipping which ensures access to critical reagents won't delay your next functional study

Antigen	Reactivities Available	Citations	Research Application
PD-1 ^{††}	Human, Mouse, Monkey	2,300+	Blockade of T cell exhaustion
CD8α [*]	Human, Mouse, Rat	1100+	CD8+ T cell tracking and depletion
PD-L1 ^{††}	Human, Mouse, Rat, Canine	700+	Tumor immune evasion studies
CTLA-4 ^{††}	Human, Mouse, Rat	500+	Treg depletion and checkpoint modulation
CD47	Human, Mouse, Rat	100+	Macrophage-mediated phagocytosis
IL-10 [*]	Human, Mouse	100+	Tumor-associated immunosuppression studies
CD25 [†]	Human, Mouse, Rat	90+	Treg targeting in tumor microenvironment

* Recombinant Format Available
† Biosimilar Format Available

Applications

Antibodies for Advanced Cancer Research

Bio X Cell antibodies support a range of cancer research applications, including:







- ✓ Immune checkpoint blockade
- ✓ Tumor immune cell profiling and depletion
- ✓ Cytokine neutralization and signaling studies
- ✓ Tumor microenvironment modulation
- ✓ Preclinical modeling of therapeutic antibodies
- ✓ Syngeneic and xenograft tumor studies
- ✓ Oncolytic virus combination therapy
- ✓ Antibody-mediated targeting of tumor antigens

Custom Services

Tailored Antibody Services for Cancer Research

Cancer studies are often highly specific, and off-the-shelf antibodies don't always meet the unique demands of your model. Bio X Cell provides flexible customization services, including:



-  **Custom Formulations**
pH, buffer, and concentration modifications for *in vivo* tumor studies
-  **Custom Conjugation**
Add antibody-drug conjugates (ADCs), peptide-drug conjugates (PDCs), linkers, etc.
-  **Recombinant Conversion**
For clone preservation and long-term supply assurance
-  **Bulk Manufacturing**
From mg-scale pilot studies to kg-scale translational work



bioXcell



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