

A detailed 3D model of a tumor, rendered in shades of orange and red. It has a textured, almost fibrous surface with several irregular, protruding lobes and smaller satellite nodules. The background is a blurred blue and teal color with faint, glowing spots.

Syngeneic Models

Well-characterized syngeneic tumor models for immunotherapy assessment

Syngeneic tumor models are a key platform for immunology research. Interaction between the mouse tumor homograft and intact immune system enables evaluation of surrogate or cross-reactive immunotherapies either alone or in combination.

Selecting the right model is crucial to getting the most out of your study. We can provide:

- Over 40 diverse syngeneic models to broaden your choices
- Characterization data including ICI benchmarking, baseline immunoprofiling, and tumor RNAseq
- A range of bioluminescent, orthotopic, and metastatic models to interrogate organ-relevant TME
- An *in vivo* screening platform across multiple models to quickly profile efficacy and pharmacodynamic (PD) output
- Various immunological assays to evaluate response mechanistically
- TAA specific models under development



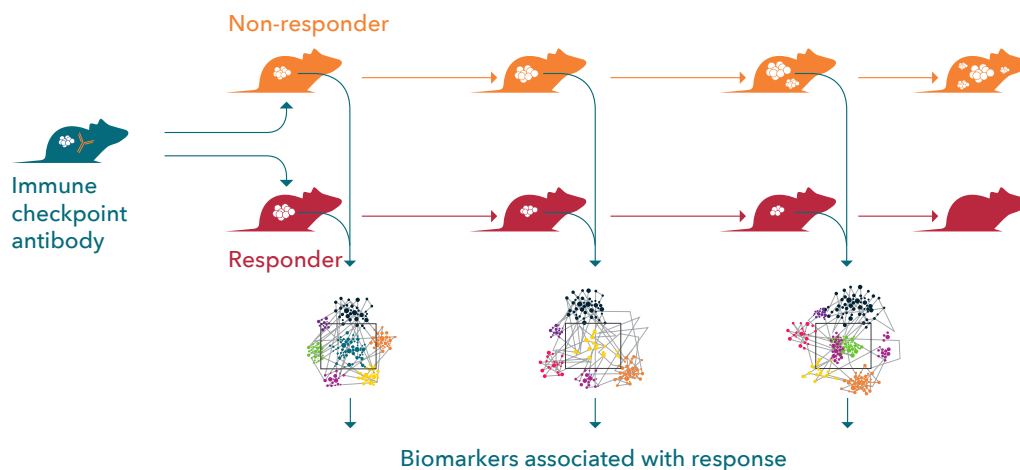
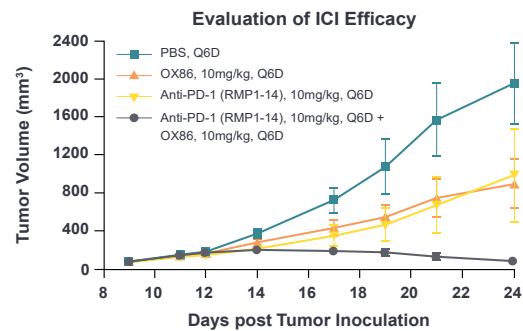
Syngeneic Model Applications

Proof of Concept Studies

- Explore the *in vivo* pharmacology of your immunotherapy
- Evaluate the efficacy of combination regimens with ICI and ICD inducers such as vaccines, virotherapy, and radiation therapy
- Observe systemic response using bilateral tumor models
- Recall the immunologic memory of cured animals
- Investigate the role of the gut microbiome

Target Engagement Studies

- Assess immuno-PD changes upon treatment
- Uncover immune signatures relating to response vs non-response
- Understand the mechanism of action of novel agents and combinations



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