

Humanized Transgenic (HuTg) Mice for Monoclonal Antibody Discovery

Less paperwork. More time for discovery.

Looking at commercially available biotherapeutics, the value of starting in an animal-based system has proven to increase chances of success by finding quality antibodies with lower immunogenicity risks. Twist Biopharma Solutions now provides license-free access to our humanized transgenic (HuTg) mouse platform, eliminating typical delays caused by time-consuming contract negotiations and streamlining in vivo discovery.

Coupled with our DiversimAb mice – a hyperimmune platform that generates a highly diverse antibody repertoire – you can launch a de-risked discovery campaign designed to enhance epitope coverage and maximize your likelihood of success.

KEY BENEFITS

Skip the licensing

- No need for the paperwork and negotiations required by other humanized platforms. Our HuTg mice are ready to go for discovery, license-free.

High titers, high affinities

- Produces high antigen-specific titers and reveals candidates with affinities in the sub-nM range and above.

Fee-for-service

- We offer predictable pricing that supports faster and more accessible discovery without the requirement for licensing, tech transfer, milestone or royalty fees.

More flexibility, more candidates

- De-risk your HuTg discovery campaign by integrating DiversimAb mice for expanded antibody diversity and greater epitope coverage.

Competitor comparison

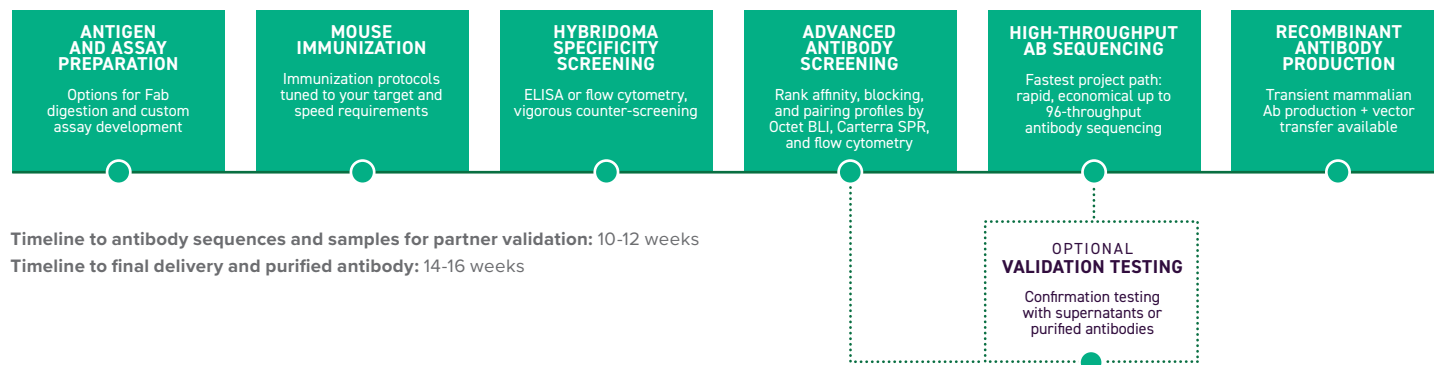
| | HuTg MICE OFFERED BY TWIST | DiversimAb HYPERIMMUNE MICE | COMPANY X | COMPANY Y | COMPANY Z |
|------------------------------------|-------------------------------|--------------------------------|------------------|-------------------|---------------------|
| Licensing Required? | No | No | Yes | Yes | Yes |
| FFS Model | Yes | Yes | No | No | No |
| Human IGH locus | Entire gene locus | N/A | 41 gene segments | VH DJ regions | Unknown |
| Human IGK locus | Entire gene locus | N/A | 19 gene segments | VK J regions | Unknown |
| Antibody Output | Fully human | Mouse | Fully human | Human-rat chimera | Human-mouse chimera |
| Downstream Humanization Required? | No | Yes | No | No | No |
| Epitope Coverage and Diversity | Med | High | Low | Low | Low |
| Risk of Developability Liabilities | Low | Low | Low | Low | Low |
| Cost | Med | Low | High | High | High |

Table 1.

Applications

Identifying the most promising hits from an in vivo discovery campaign requires a rapid, high-resolution screening workflow. Twist Biopharma Solutions offers rapid hybridoma generation and screening as well as ultra-rapid Beacon-based single B-cell screening.

HYBRIDOMA WORKFLOW



BEACON-BASED B-CELL SCREENING WORKFLOW



LEARN MORE

Visit us at [twistbioscience.com/twist-biopharma-solutions](https://www.twistbioscience.com/twist-biopharma-solutions) or contact us at biopharmasales@twistbioscience.com