

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

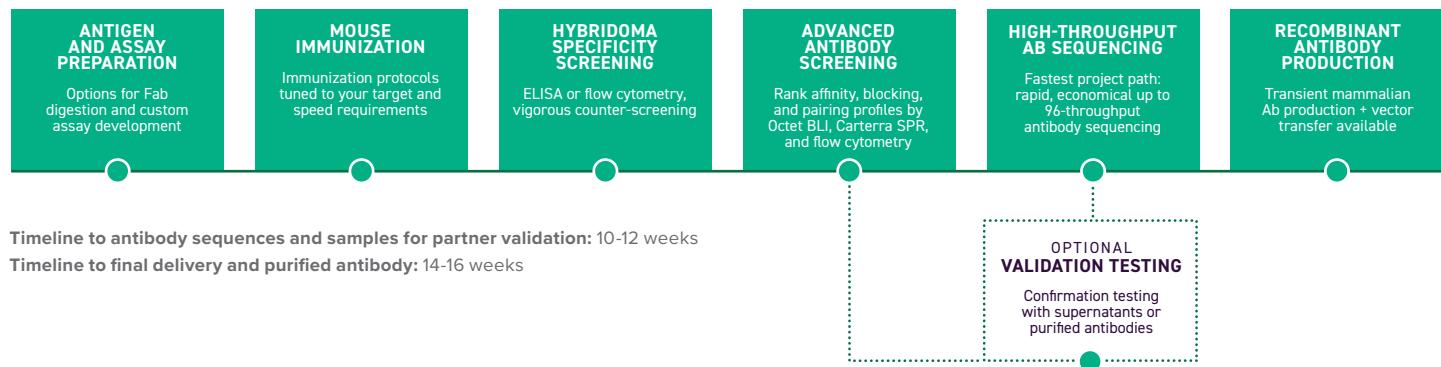
	HuTg MICE OFFERED BY TWIST	DiversimAb HYPERIMMUNE MICE	COMPANY X	COMPANY Y	COMPANY Z
Licensing Required?	No	No	Yes	Yes	Yes
FFS Model	Yes	Yes	No	No	No
Human IGH locus	Entire gene locus	N/A	41 gene segments	VHDJ regions	Unknown
Human IGK locus	Entire gene locus	N/A	19 gene segments	VKJ regions	Unknown
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.

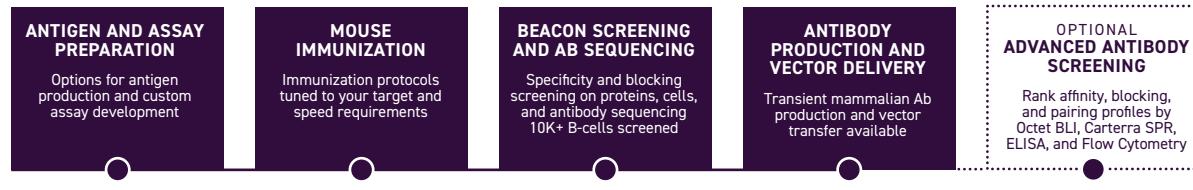
Applications

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 or contact us at biopharmasales@twistbioscience.com

For research use only. Not for use in diagnostic procedures.