ENHANCED EXPRESSION OF HUMAN OR HUMANIZED IMMUNOGLOBULIN IN NON-HUMAN TRANSGENIC ANIMALS

ABSTRACT

The present invention describes transgenic animals with human(ized) immunoglobulin loci and transgenes encoding human(ized) Igα and/or Igβ sequences. Of particular interest are animals with transgenic heavy and light chain immunoglobulin loci capable of producing a diversified human(ized) antibody repertoire that have their endogenous production of Ig and/or endogenous Igα and/or Igβ sequences suppressed. Simultaneous expression of human(ized) immunoglobulin and human(ized) Igα and/or Igβ results in normal B-cell development, affinity maturation and efficient expression of human(ized) antibodies.

(No suitable figure)