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(54) Title: TRANSGENIC NON-HUMAN ANIMALS PRODUCING MODIFIED HEAVY CHAIN-ONLY ANTIBODIES

Diagram of the human trasgene used in UniRat that expresses heavy chain antibodies

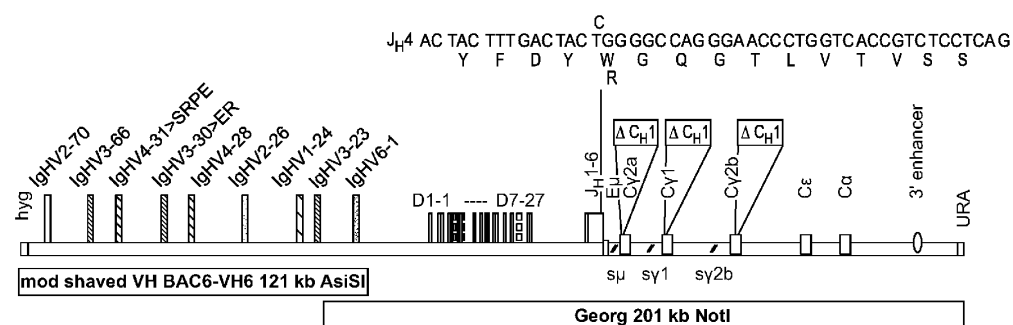


FIG. 1

(57) Abstract: Human or chimeric heavy chain-only antibodies are provided, in the native amino acid residue at the first position of the fourth framework region (FR4) of said HCAb is substituted by a different amino acid residue that is capable of disrupting a surface-exposed hydrophobic patch comprising or associated with the native amino acid residue at that position.