

Table 10
Kabat Numbering of Framework Residues
for Backmutations and Other Mutations in Humanized 6C1
Antibodies

Residue	ADX65650 Heavy Chain	ABI74084 Light Chain	Mouse 6C1	Hu6C1 VHv1	Hu6C1 VHv1b	Hu6C1 VHv2	Hu6C1 VHv2b	Hu6C1 VHv3	Hu6C1 VHv3b	Hu6C1 VLv1	Hu6C1 VLv2
L2	-	I	V	-	-	-	-	-	-	V	I
L45	-	Q	K	-	-	-	-	-	-	K	K
H19	R	-	K	R	R	R	R	K	K	-	-
H44	G	-	R	G	G	G	G	R	R	-	-
H49	S	-	A	S	A	S	A	S	A	-	-
H76	N	-	N	N	N	S	S	N	N	-	-
H77	S	-	T	T	T	T	T	T	T	-	-
H82(a)	N	-	S	N	N	S	S	N	N	-	-
H83	R	-	K	R	R	R	R	K	K	-	-
H89	V	-	M	V	V	V	V	M	M	-	-

[00287] An alignment of the murine 6C1 Vh sequence (SEQ ID NO:1) with the mouse model sequence (2OTU_B.pro; SEQ ID NO:2), the human acceptor sequence (ADX65650; SEQ ID NO:3), and the Hu6C1VHv1, Hu6C1VHv1b, Hu6C1VHv2, Hu6C1VHv2b, Hu6C1VHv3, and Hu6C1VHv3b sequences (SEQ ID NOS:4-9, respectively), is shown in Figure 1. The CDR regions as defined by Kabat are shaded. Positions at which canonical, vernier, or interface residues differ between mouse and human acceptor sequences are candidates for substitution. Examples of vernier/CDR foundation residues include Kabat residues 2, 49, 69, 71, 75, 78, and 94 in Table 7. Examples of canonical/CDR interacting residues include Kabat residues 24, 48, and 73 in Table 7. Examples of interface/packing (VH+VL) residues include Kabat residues 37, 39, 45, 47, 91, 93, and 103 in Table 7.

[00288] An alignment of the murine 6C1 Vk sequence (SEQ ID NO:13) with the mouse model sequence (3EYS_L_St.pro; SEQ ID NO:14), the human acceptor sequence (ABI74084; SEQ ID NO:15), and the Hu6C1VLv1 and Hu6C1VLv2 sequences (SEQ ID NOS:16 and 17, respectively), is shown in Figure 2. The CDR regions as defined by Kabat are shaded. Positions