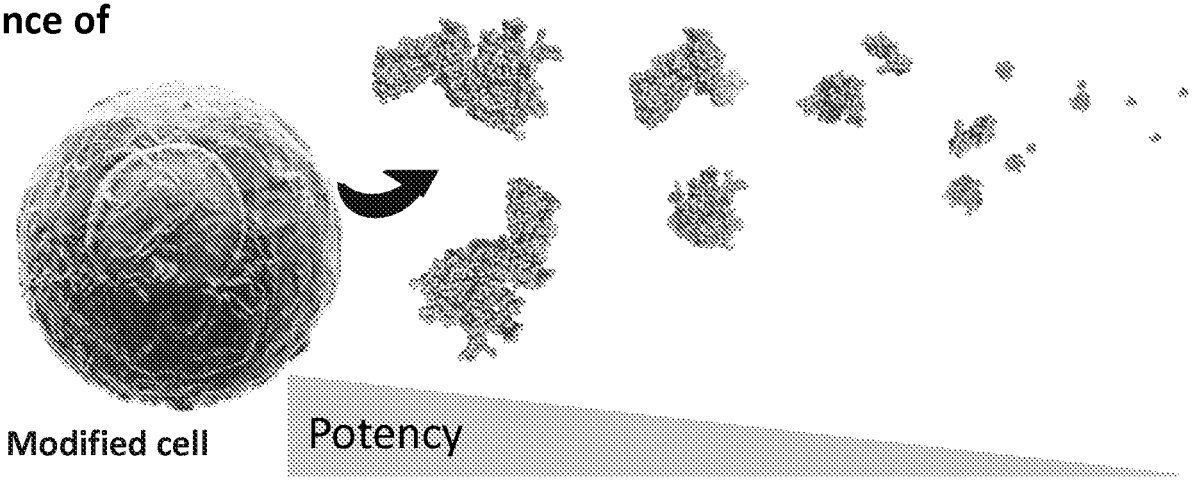
# FIGURE 1

Schematic depiction of approaches to improved therapeutic control of IL-12

**Rapid breakdown/clearance of Protease sensitive IL-12**

- Protease site
- Protease site/destabilization




**Locally Acting Membrane Bound IL-12**

- Protease site/destabilization

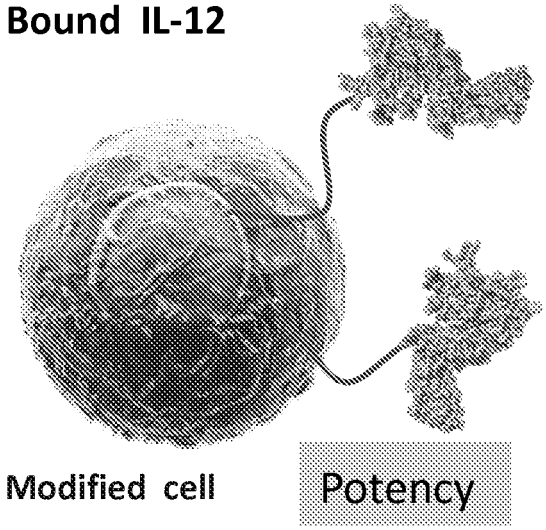


**FIGURE 2**

Single Chain IL-12 Configurations

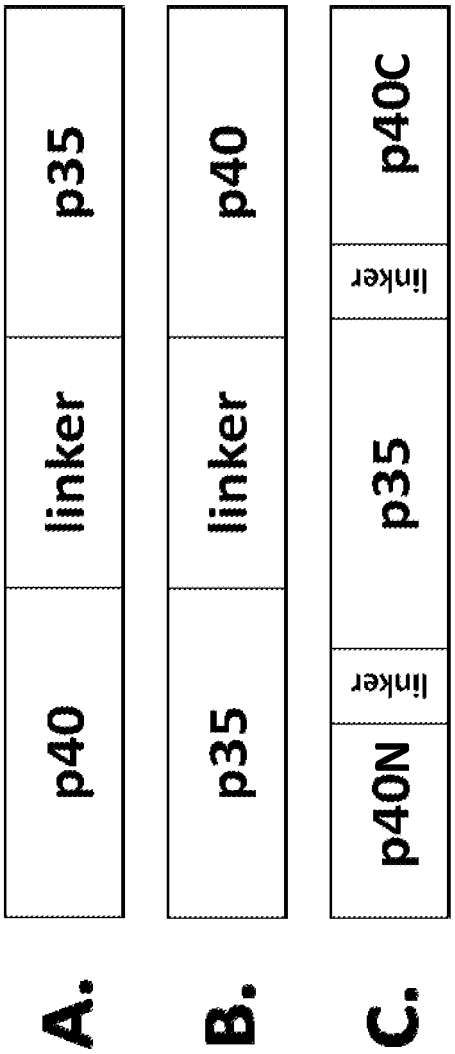


**FIGURE 3**

ELISA Detection of Single Chain IL-12 Expression

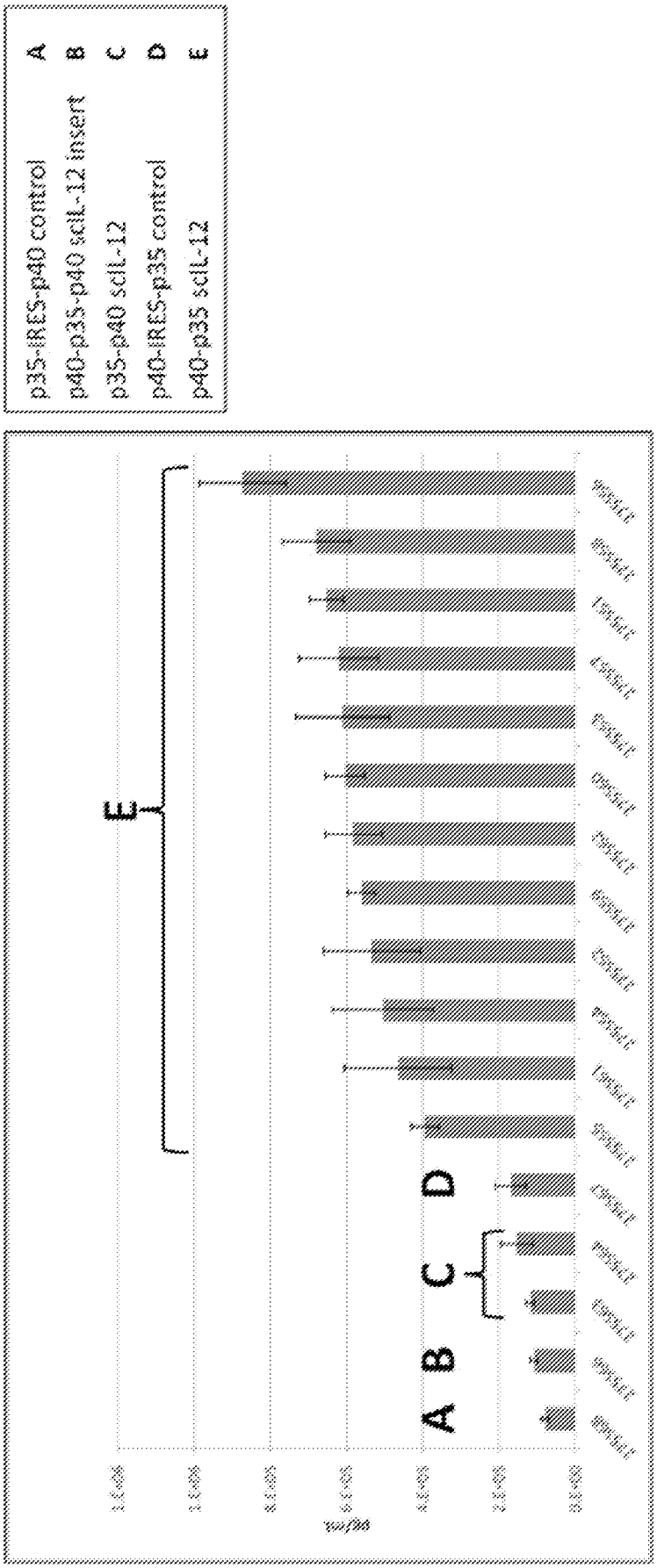


FIGURE 4

ELISA Detection of scIL-12 Induced IFN-Gamma Production in NK Cells

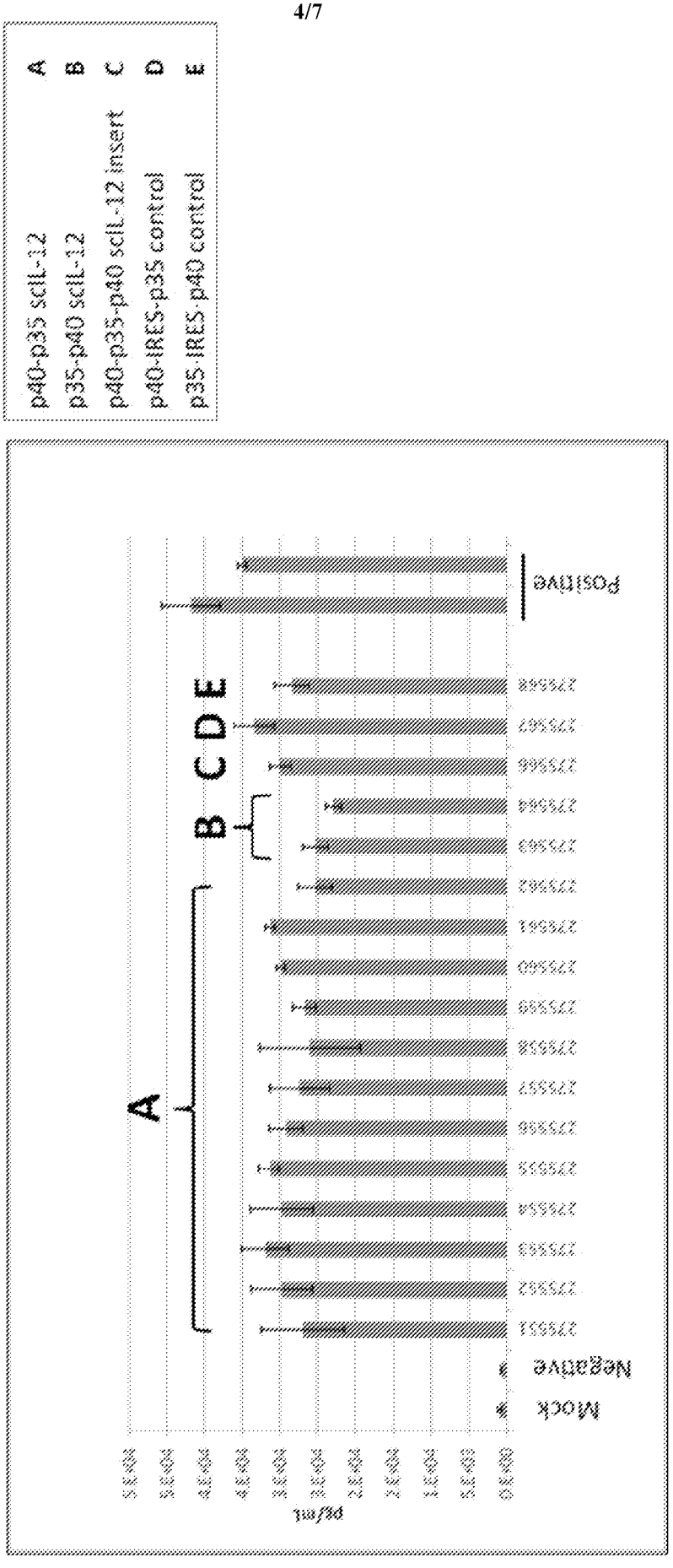


**FIGURE 5**

Examples of IL-12 Exposed Polypeptide Loops as Potential Proteinase Cleavage Sites

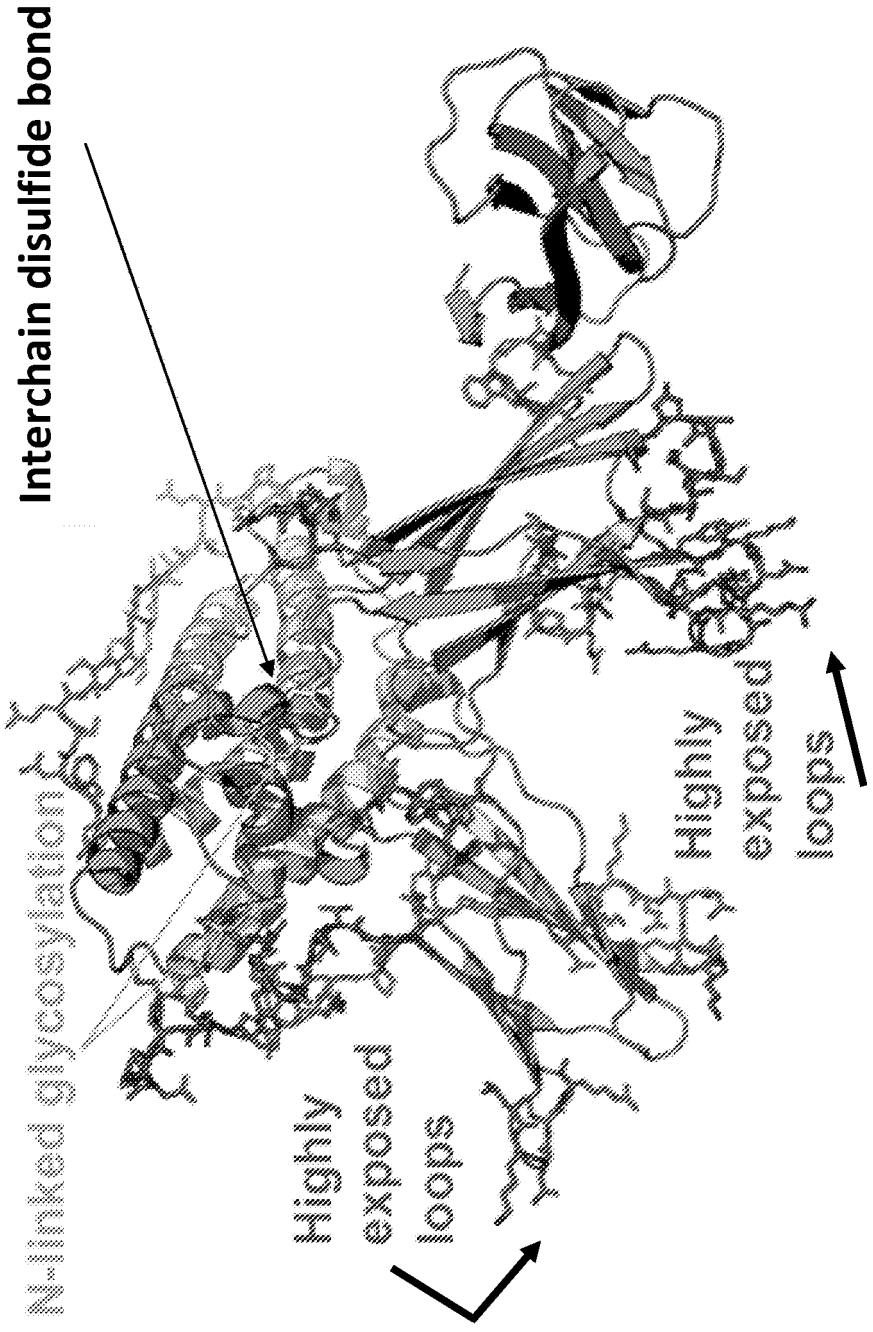
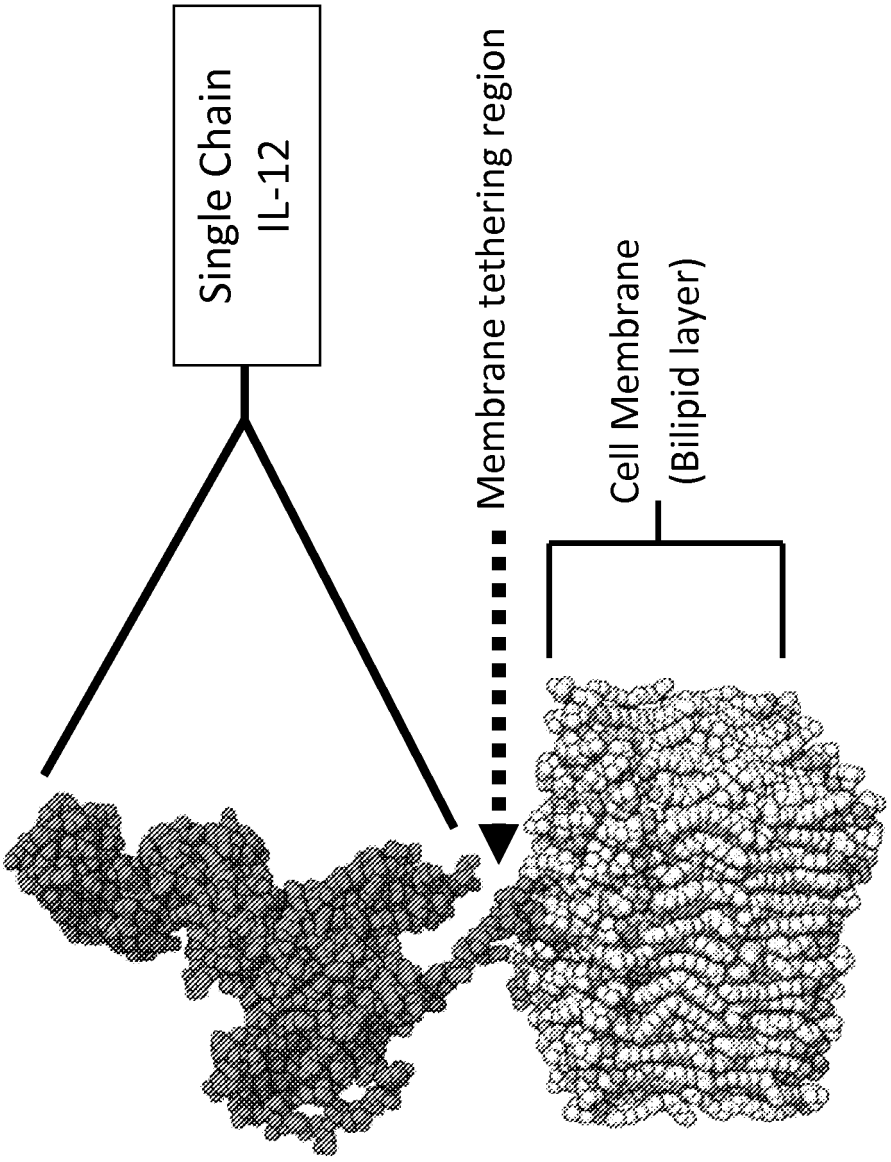
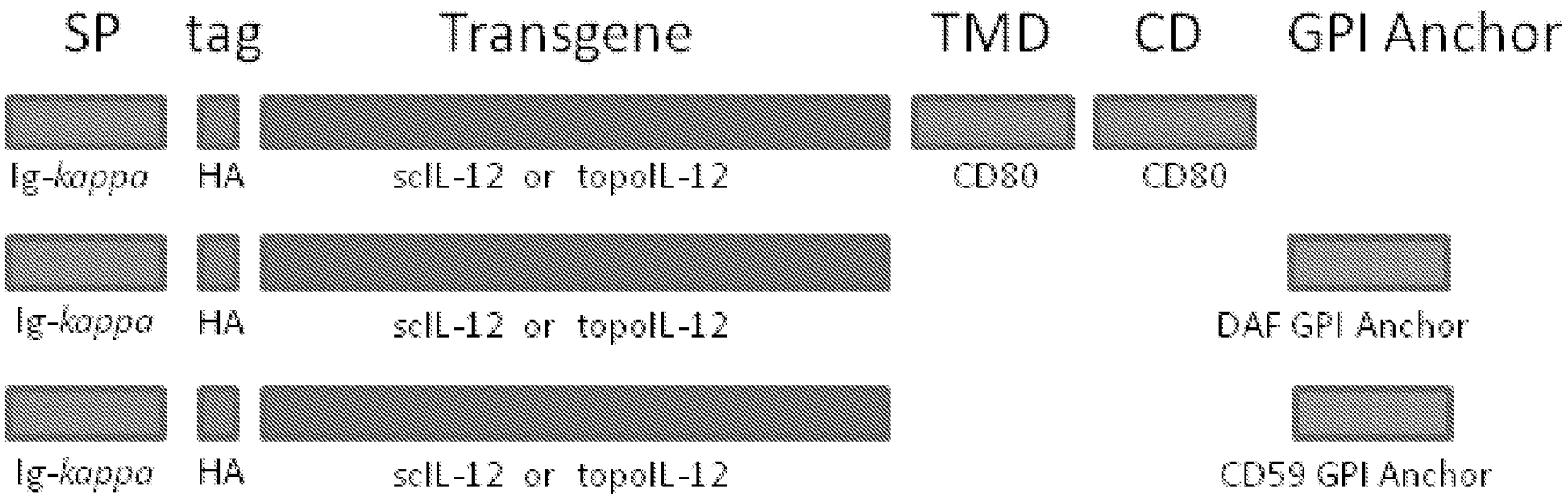


**FIGURE 6**

Examplary Depiction of Membrane Bound Single Chain IL-12



# FIGURE 7

Examples of Membrane Bound IL-12 Polypeptide Constructs