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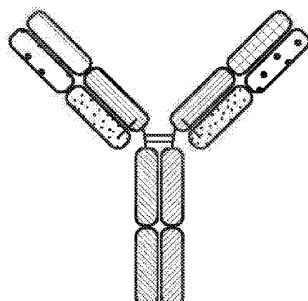
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(54) Title: PROTEINS BINDING NKG2D, CD16, AND C-TYPE LECTIN-LIKE MOLECULE-1 (CLL-1)

FIG. 1



(57) Abstract: The invention provides multi-specific binding proteins that bind to a tumor-associated antigen CLEC12A and to the NKG2D receptor and CD16 receptor on natural killer cells. One aspect of the invention provides a protein that incorporates a first antigen-binding site that binds NKG2D; a second antigen-binding site that binds CLEC12A; and an antibody Fc domain, a portion thereof sufficient to bind CD16, or a third antigen-binding site that binds CD16. The antigen-binding sites may each incorporate an antibody heavy chain variable domain and an antibody light chain variable domain, or one or more of the antigen-binding sites may be a single domain antibody, such as a VHH antibody or a VNAR antibody. Another aspect of the invention provides a method of treating cancer in a patient. The method comprises administering to a patient in need thereof a therapeutically effective amount of the multi-specific binding protein.

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