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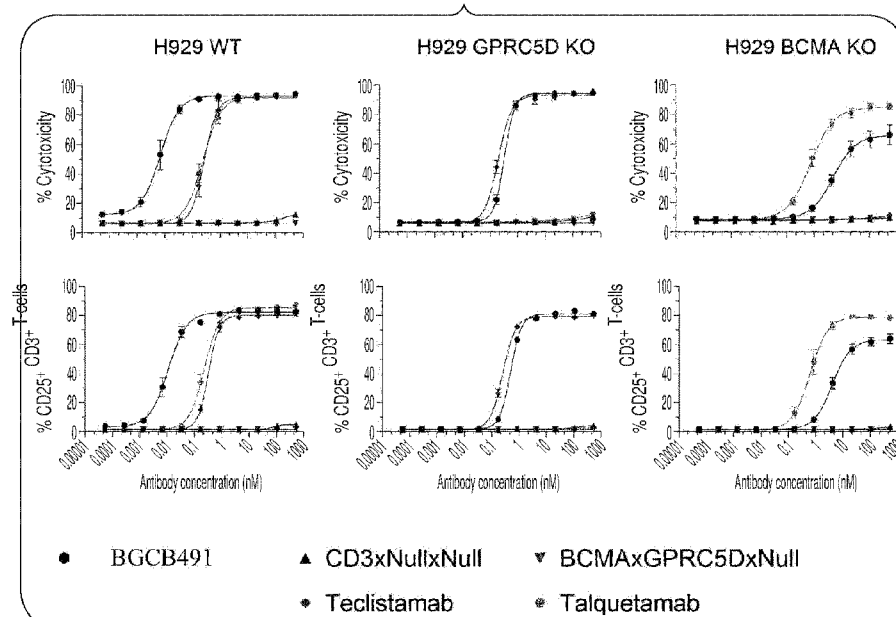
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(54) Title: TRISPECIFIC ANTIBODY TARGETING BCMA, GPRC5D, AND CD3

FIG. 29



(57) **Abstract:** Provided herein are multispecific antibodies that bind to BCMA, GPRC5D and CD3 and multispecific antigen-binding fragments thereof. Also described are related polynucleotides capable of encoding the provided multispecific antibodies or multispecific antigen-binding fragments, cells expressing the provided multi specific antibodies or multispecific antigen-binding fragments, as well as associated vectors and detectably labeled multispecific antibodies or multispecific antigen-binding fragments. In addition, methods of producing and using the provided multispecific antibodies and multispecific antigen-binding fragments are described. Further provided herein are antibodies that bind to BCMA and antigen-binding fragments thereof. Also described are related polynucleotides capable of encoding the provided BCMA-specific antibodies or antigen-binding fragments, cells expressing the provided BCMA-specific antibodies or antigen-binding fragments, as well as associated vectors and detectably labeled BCMA-specific antibodies or antigen-binding

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fragments. In addition, methods of producing and using the provided BCMA-specific antibodies and antigen-binding fragments are described.