Genmab Announces Preliminary Results in Phase II Study of Daratumumab in Double Refractory Multiple Myeloma

Company Announcement

- **29.2% overall response rate (ORR) in Phase II study of daratumumab in double refractory multiple myeloma**
- **Manageable safety profile**
- **Data to be submitted for possible presentation at upcoming scientific conference and discussion with health authorities**

Copenhagen, Denmark; February 3, 2015 – Genmab A/S (OMX: GEN) announced today preliminary results from the Phase II study of daratumumab in double refractory multiple myeloma conducted by its collaboration partner Janssen Biotech, Inc. (Janssen). The overall response rate (ORR) in the study was 29.2% in the 16 mg/kg dosing group and the median duration of response was 7.4 months as determined by an Independent Review Committee (IRC). The study evaluated multiple myeloma patients who have received at least three different lines of therapy including both a proteasome inhibitor and an immunomodulatory agent (IMiD) or who are double refractory to a proteasome inhibitor and an IMiD. This is the indication for which daratumumab was granted Breakthrough Therapy Designation from the FDA in May 2013.

Daratumumab showed a manageable safety profile. The data will be discussed with health authorities at upcoming meetings, pending their agreement.

"We are very pleased with these positive results in this study of daratumumab as a monotherapy for the treatment of double refractory multiple myeloma," said Jan van de Winkel, Ph.D., Chief Executive Officer of Genmab. "We look forward to presenting additional data of this trial at a key upcoming medical conference this year."

About the Study (Sirius MMY2002)
This two-part study enrolled 124 patients who have received at least three prior lines of therapy, including both a proteasome inhibitor and an IMiD, or who are double refractory to a proteasome inhibitor and an IMiD. Examples of proteasome inhibitors are bortezomib or carfilzomib and examples of IMiD agents are pomalidomide or lenalidomide. Part 1 defined an optimal daratumumab regimen going forward, while part 2 was an expansion, based on the optimal regimen determined in Part 1. The primary objective of the study was to define the optimal dose and dosing schedule, to determine the efficacy of two treatment regimens of daratumumab as measured by overall response rate (ORR), and to further characterize the safety of daratumumab as a single agent.

About daratumumab
Daratumumab is a human CD38 monoclonal antibody with broad-spectrum killing activity. Daratumumab is in clinical development for multiple myeloma (MM). Daratumumab targets the CD38 molecule which is highly expressed on the surface of multiple myeloma cells. Daratumumab may also have potential in other cancers on which CD38 is expressed, including diffuse large B-cell lymphoma, chronic lymphocytic leukemia, acute lymphoblastic leukemia, plasma cell leukemia, acute myeloid leukemia, follicular lymphoma and mantle cell lymphoma. Daratumumab has been granted Breakthrough Therapy Designation from the US FDA. In August 2012, Genmab granted Janssen Biotech, Inc. an exclusive worldwide license to develop and commercialize daratumumab.

About Genmab A/S
Genmab is a publicly traded, international biotechnology company specializing in the creation and development of differentiated human antibody therapeutics for the treatment of cancer. Founded in 1999, the company currently has one marketed antibody, Arzerra® (ofatumumab) for the treatment of certain chronic lymphocytic leukemia indications and daratumumab in late stage clinical development for multiple

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myeloma. Additionally Genmab has a clinical pipeline with both late and early stage programs, and an innovative pre-clinical pipeline. Genmab's technology base consists of validated and proprietary next generation antibody technologies - the DuoBody® platform for generation of bispecific antibodies, and the HexaBody™ platform which creates effector function enhanced antibodies. Genmab's deep antibody expertise is expected to provide a stream of future product candidates. Partnering of selected innovative product candidates and technologies is a key focus of Genmab's strategy and the company has alliances with top tier pharmaceutical and biotechnology companies. For more information visit www.genmab.com

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