

Genmab's Total Number of Voting Rights and Total Share Capital

Company Announcement

- Publication of voting rights and share capital
- Change in share capital follows the issue of 5,400,000 shares to Johnson & Johnson Development Corporation in connection with the daratumumab agreement.

Copenhagen, Denmark; October 31, 2012 – Genmab A/S (OMX: GEN) announced today that following a private placement, an increase of the share capital by Genmab A/S was effected on October 16, 2012 by subscription of 5,400,000 new shares, with a nominal value of DKK 1 each.

Pursuant to section 6 of Executive Order no. 657 of 22 June 2012 on Issuers' Disclosure Obligations, it is hereby announced that the total nominal value of Genmab A/S' share capital is DKK 50,307,142 at the end of October 2012, which is made up of 50,307,142 shares of a nominal value of DKK 1 each corresponding to 50,307,142 votes.

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's first marketed antibody, ofatumumab (Arzerra®), was approved to treat chronic lymphocytic leukemia in patients who are refractory to fludarabine and alemtuzumab after less than eight years in development. Genmab's validated and next generation antibody technologies are expected to provide a steady stream of future product candidates. Partnering of 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.

Contact:

Rachel Curtis Gravesen, Senior Vice President, Investor Relations & Communications

T: +45 33 44 77 20; M: +45 25 12 62 60; E: r.gravesen@genmab.com

This Company Announcement contains forward looking statements. The words "believe", "expect", "anticipate", "intend" and "plan" and similar expressions identify forward looking statements. Actual results or performance may differ materially from any future results or performance expressed or implied by such statements. The important factors that could cause our actual results or performance to differ materially include, among others, risks associated with pre-clinical and clinical development of products, uncertainties related to the outcome and conduct of clinical trials including unforeseen safety issues, uncertainties related to product manufacturing, the lack of market acceptance of our products, our inability to manage growth, the competitive environment in relation to our business area and markets, our inability to attract and retain suitably qualified personnel, the unenforceability or lack of protection of our patents and proprietary rights, our relationships with affiliated entities, changes and developments in technology which may render our products obsolete, and other factors. For a further discussion of these risks, please refer to the risk management sections in Genmab's most recent financial reports, which are available on www.genmab.com. Genmab does not undertake any obligation to update or revise forward looking statements in this Company Announcement nor to confirm such statements in relation to actual results, unless required by law.

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