



Genmab A/S
Toldbodgade 33
1253 Copenhagen K
Denmark
Tel + 45 7020 2728
Fax + 45 7020 2729
CVR no. 2102 3884

Contact:

Helle Husted
Sr. Director, Investor Relations
T: +45 33 44 77 30
M: +45 25 27 47 13
E: hth@genmab.com

GENMAB'S TOTAL NUMBER OF VOTING RIGHTS AND TOTAL SHARE CAPITAL

Summary: According to Rules for Issuer's Disclosure Duty

Copenhagen, Denmark; June 1 , 2007 – Genmab A/S (CSE: GEN) hereby publishes the total number of voting rights and total share capital in the company cf. section 17, subsection 2 of rules for issuer's disclosure of:

Total Number of Voting Rights:	44,333,015
Total Share Capital:	44,333,015

About Genmab A/S

Genmab A/S is a biotechnology company that creates and develops human antibodies for the treatment of life-threatening and debilitating diseases. Genmab has numerous products in development to treat cancer, infectious disease, rheumatoid arthritis and other inflammatory conditions, and intends to continue assembling a broad portfolio of new therapeutic products. In addition, Genmab has developed UniBody™, a new proprietary technology that creates a stable, smaller antibody format. Genmab has operations in Europe and the US. For more information about Genmab, visit www.genmab.com.

This press release 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 product discovery and development, 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

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render our products obsolete, and other factors. Genmab is not under an obligation to up-date statements regarding the future following the publication of this release; nor to confirm such statements in relation to actual results, unless this is required by law.

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