



MAJOR SHAREHOLDER ANNOUNCEMENT

Summary: Major Shareholder Announcement for Genmab A/S

Copenhagen, Denmark; January 30, 2008 – Genmab A/S (OMX: GEN) announces under reference to Section 29 of the Danish Securities Trading Act that Genpharm International, Inc., a subsidiary of Medarex Inc. has informed us that their ownership in Genmab A/S as of January 29, 2008 consists of 2,273,604 shares, which is 5.1% of the total shares in the Company.

About Genmab A/S

Genmab is a leading international biotechnology company focused on developing fully human antibody therapeutics for unmet medical needs. Using unique, cutting-edge antibody technology, Genmab's world class discovery and development teams have created and developed an extensive pipeline of products for potential treatment of a variety of diseases including cancer and autoimmune disorders. As Genmab advances towards a commercial future, we remain committed to our primary goal of improving the lives of patients who are in urgent need of new treatment options. For more information on Genmab's products and technology, 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 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.

Genmab[®]; the Y-shaped Genmab logo[®]; HuMax[®]; HuMax-CD4[®]; HuMax-CD20[®]; HuMax-EGFr[™]; HuMax-IL8[™]; HuMax-TAC[™]; HuMax-HepC[™]; HuMax-CD38[™]; HuMax-CD32b[™] and UniBody[®] are all trademarks of Genmab A/S.

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