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

NEW DATA ON GENMAB AND GLAXOSMITHKLINE'S OFATUMUMAB: PHASE II STUDY IN RHEUMATOID ARTHRITIS TO BE PRESENTED AT EULAR

Summary: First presentation of data from a Phase II study with ofatumumab scheduled for the 2007 Annual European Congress of Rheumatology.

Copenhagen, Denmark; April 25, 2007 – Genmab A/S (CSE: GEN) announced today that the results of a Phase II study with ofatumumab (HuMax-CD20™) in patients with rheumatoid arthritis (RA) have been accepted for oral presentation at the 2007 Annual European Congress of Rheumatology (EULAR). The oral presentation, which will include new results from the double-blind, placebo controlled Phase II study with ofatumumab, along with data from the previous interim analysis, will be described by Professor Mikkel Østergaard, Department of Rheumatology, Copenhagen University Hospital on June 16, 2007. The abstract for the presentation will be available at www.eular.org in mid-May.

Genmab A/S and GlaxoSmithKline have a worldwide agreement to co-develop and commercialize ofatumumab.

About the study
A total of 226 patients with active RA who have previously failed one or more disease-modifying anti-rheumatic drugs (DMARDs) were enrolled in the Phase II study. Patients were randomized to one of 4 treatment groups (300 mg, 700 mg or 1000 mg of ofatumumab or placebo). Patients were permitted to continue therapy with stable doses of methotrexate and low dose prednisolone. ACR and EULAR responses were assessed in the primary intention-to-treat efficacy population at 24 weeks.

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 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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