UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 6-K
REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 OF THE SECURITIES EXCHANGE ACT OF 1934
FOR THE MONTH OF JUNE 2022
COMMISSION FILE NUMBER 001-38976
Genmab A/S (Exact name of Registrant as specified in its charter)
Kalvebod Brygge 43 1560 Copenhagen V Denmark +45 70 20 27 28 (Address of principal executive offices)
Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.
Form 20-F ⊠ Form 40-F □
Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T

Indicate Rule 101(b)(1) Yes □ No ⊠ Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7) Yes □ No ⊠ This report on Form 6-K shall be deemed to be incorporated by reference in Genmab A/S's registration statements on Form S-8 (File No. 333-232693) and to be a part thereof from the date on which this report is filed, to the extent not superseded by documents or reports subsequently filed or furnished.

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

GENMAB A/S

BY: /s/ Anthony Pagano
Name: Anthony Pagano
Title: Executive Vice President & Chief Financial

Officer

DATE: June 17, 2022

EXHIBIT INDEX

ExhibitDescription of Exhibit99.1Company Announcement Dated June 17, 2022: Genmab Announces Initiation of Share Buy-Back Program



Genmab Announces Initiation of Share Buy-Back Program

Company Announcement

- Repurchase of up to 370,000 shares
- Mitigating dilution from warrant exercises and honoring commitments under our Restricted Stock Unit program
- Completion expected on August 31, 2022

COPENHAGEN, Denmark; June 17, 2022 – Genmab A/S (Nasdaq: GMAB) announced today that it is initiating a share buy-back program to mitigate dilution from warrant exercises and honor our commitments under our Restricted Stock Unit program. The share buy-back program will be undertaken on the terms set out below and in accordance with Regulation (EU) No. 596/2014 ('MAR') and the Commission Delegated Regulation (EU) 2016/1052, also referred to as the "Safe Harbour Regulation."

Purpose

The purpose of the share buy-back program is to mitigate dilution caused by warrant exercises and to honor our commitments under the Restricted Stock Unit program.

Time frame

The share buy-back program will start on June 20, 2022 and end on August 31, 2022 (unless Genmab terminates or suspends the program).

Terms

Genmab has appointed Danske Bank as lead manager for the share buy-back program. Danske Bank will make its own trading decisions and act independently of and without influence or involvement from Genmab. Under this share buy-back program Genmab may repurchase up to 370,000 shares.

Shares acquired under the program cannot be purchased at a price exceeding the higher of (i) the price of the latest independent transaction on Nasdaq Copenhagen and (ii) the price of the highest independent bid on Nasdaq Copenhagen at the time of the transaction. The total number of shares that may be purchased on a single trading day may not exceed 25% of the average daily trading volume over the preceding 20 trading days on Nasdaq Copenhagen.

As of June 17, 2022, Genmab holds 233,885 treasury shares equal to 0.36 % of the share capital.

Genmab is entitled to suspend or stop the program at any time subject to announcement to Nasdaq Copenhagen.

Upon initiation of the program, Genmab will issue a weekly announcement in respect of transactions made under the program.

About Genmab

Genmab is an international biotechnology company with a core purpose to improve the lives of people with cancer. For more than 20 years, Genmab's vision to transform cancer treatment has driven its passionate, innovative and collaborative teams to invent next-generation antibody technology platforms and leverage translational research and data sciences, fueling multiple differentiated cancer treatments that make an impact on people's lives. To develop and deliver novel therapies to patients, Genmab has formed 20+ strategic partnerships with biotechnology and pharmaceutical companies. Genmab's proprietary pipeline includes bispecific T-cell engagers, next-generation immune checkpoint modulators, effector function enhanced antibodies and antibody-drug conjugates.

Genmab A/S Kalvebod Brygge 43 21560 Copenhagen V, Denmark Tel: +45 7020 2728 Fax: +45 7020 2729 www.genmab.com Company Announcement no. 22 Page 1/2 CVR no. 2102 3884 LEI Code 529900MTJPDPE4MHJ122



Genmab Announces Initiation of Share Buy-Back Program

Genmab is headquartered in Copenhagen, Denmark with locations in Utrecht, the Netherlands, Princeton, New Jersey, U.S. and Tokyo, Japan. For more information, please visit Genmab.com and follow us on Twitter.com/Genmab.

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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 preclinical 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 or technologies 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 and the risk factors included in Genmab's most recent Annual Report on Form 20-F and other fillings with the U.S. Securities and Exchange Commission (SEC), which are available at www.sec.gov. Genmab does not undertake any obligation to update or revise forward looking statements in this Company Announcement nor to confirm such statements to reflect subsequent events or circumstances after the date made or in relation to actual results, unless required by law.

Genmab A/S and/or its subsidiaries own the following trademarks: Genmab®; the Y-shaped Genmab logo®; Genmab in combination with the Y-shaped Genmab logo®; HuMax®; DuoBody®; DuoBody in combination with the DuoBody logo®; HexaBody® HexaBody in combination with the HexaBody logo®; DuoHexaBody® and HexElect®.

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