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 NOVEMBER 2023

COMMISSION FILE NUMBER 001-38976

Genmab A/S

(Exact name of Registrant as specified in its charter)

Carl Jacobsens Vej 30 2500 Valby 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 □

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, 333-232693 and 333-262970) and to be a part thereof from the date on which this report is filed, to the extent not superseded by documents or reports subsequently filed or furnished.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: November 21, 2023

EXHIBIT INDEX

Exhibit Description of Exhibit

- 99.1 Company Announcement Dated November 21, 2023: Grant of Restricted Stock Units to Board Members and Employees and Grant of Warrants to Employees in Genmab
- 99.2 Company Announcement Dated November 21, 2023: Transactions with shares and linked securities in Genmab A/S made by managerial employees and their closely associated persons



Grant of Restricted Stock Units to Board Members and Employees and Grant of Warrants to Employees in Genmab

Company Announcement

COPENHAGEN, Denmark; November 21, 2023 – Genmab A/S (Nasdaq: GMAB) announced today that the Board decided to grant 10,541 restricted stock units to members of the Board of Directors and employees of the Company as well as the Company's subsidiaries and 7,651 warrants to employees of the Company and the Company's subsidiaries.

Each restricted stock unit is awarded cost-free and provides the owner with a right and obligation to receive one share in Genmab A/S of nominally DKK 1. The fair value of each restricted stock unit is equal to the closing market price on the date of grant of one Genmab A/S share, DKK 2,144.

The restricted stock units will vest on the first banking day of the month following a period of three years from the date of grant. Furthermore, the restricted stock units are subject to vesting conditions set out in the restricted stock unit program adopted by the Board of Directors. Information concerning Genmab's restricted stock unit program can be found on www.genmab.com under Investors > Governance > Compensation > Restricted Stock Units.

The exercise price for each warrant is DKK 2,144. Each warrant is awarded cost-free and entitles the owner to subscribe one share of nominally DKK 1 subject to payment of the exercise price. By application of the Black-Scholes formula, the fair value of each warrant can be calculated as DKK 710.65.

The warrants vest three years after the grant date, and all warrants expire at the seventh anniversary of the grant date. The new warrants have been granted on the terms and conditions set out in the warrant program adopted by the board of directors on February 23, 2021. Information concerning Genmab's warrant schemes can be found on www.genmab.com under Investors > Governance > Compensation > Warrants.

About Genmab

Genmab is an international biotechnology company with a core purpose guiding its unstoppable team to strive towards improving the lives of patients through innovative and differentiated antibody therapeutics. For more than 20 years, its passionate, innovative and collaborative team has invented next-generation antibody technology platforms and leveraged translational research and data sciences, which has resulted in a proprietary pipeline including bispecific T-cell engagers, next-generation immune checkpoint modulators, effector function enhanced antibodies and antibody-drug conjugates. To help develop and deliver novel antibody therapies to patients, Genmab has formed 20+ strategic partnerships with biotechnology and pharmaceutical companies. By 2030, Genmab's vision is to transform the lives of people with cancer and other serious diseases with Knock-Your-Socks-Off (KYSO[™]) antibody medicines.

Established in 1999, 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.

Contact:

Marisol Peron, Senior Vice President, Global Communications & Corporate Affairs T: +1 609 524 0065; E: mmp@genmab.com

Andrew Carlsen, Vice President, Head of Investor Relations T: +45 3377 9558; E: acn@genmab.com

Genmab A/S Carl Jacobsens Vej 30 2500 Valby, Denmark Tel: +45 7020 2728 Fax: +45 7020 2729 www.genmab.com Company Announcement no. 47 Page 1/2 CVR no. 2102 3884 LEI Code 529900MTJPDPE4MHJ122



Grant of Restricted Stock Units to Board Members and Employees and Grant of Warrants to Employees in Genmab

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 filings 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[®]; HexaBody[®]; DuoHexaBody[®], HexElect[®] and KYSO[™].

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Company Announcement

COPENHAGEN, Denmark; November 21, 2023 – Genmab A/S (Nasdaq: GMAB) - In accordance with Article 19 of Regulation No. 596/2014 on Market Abuse and Implementing Regulation 2016/523, this document discloses the data of the transactions made in Genmab A/S (Nasdaq: GMAB) made by managerial employees and their closely associated persons.

The company's managerial employees and their closely associated persons have given Genmab A/S power of attorney on their behalf to publish trading in Genmab shares by the company's managerial employees and their closely associated persons.

1.	Details of the person discharging	managerial responsibilities /	
	person closely associated		
a)	Name	Deirdre P. Connelly	
2.	Reason for the notification		
a)	Position/status	Chair of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
3.	Details of the issuer, emission allo	wance market participant,	
	auction platform, auctioneer or au	ction monitor	
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
4.	Details of the transaction(s): section	-	
	(i) each type of instrument; (ii) eac		
	(iii) each date; and (iv) each place		
a)	Description of the financial	Restricted Stock Units related to s	hares of Genmab A/S
	instrument, type of instrument		
		D//00/0070000	
	Identification code	DK0010272202	
b)	Nature of the transaction	Grant of Restricted Stock Units	
c)	Price(s) and volume(s)	Price(s)	Volume(s)
		DKK 0.00	559
d)	Aggregated information		
	- Aggregated volume		
	- Price		
e)	Date of the transaction	2023-11-21	
f)	Place of the transaction	Outside the market	

Please find below a statement of such trading in shares issued by Genmab A/S

Genmab A/S Carl Jacobsens Vej 30 2500 Valby, Denmark Tel: +45 7020 2728 Fax: +45 7020 2729 www.genmab.com Company Announcement no. 48 Page 1/10 CVR no. 2102 3884 LEI Code 529900MTJPDPE4MHJ122



1.	Details of the person discharging	ng managerial responsibilities /		
	person closely associated			
a)	Name	Pernille Erenbjerg		
2.	Reason for the notification			
a)	Position/status	Member of the Board of Directo	rs	
b)	Initial notification/Amendment	Initial notification		
3.	Details of the issuer, emission a	Illowance market participant,		
	auction platform, auctioneer or	auction monitor		
a)	Name	Genmab A/S		
b)	LEI-code	529900MTJPDPE4MHJ122		
4.	Details of the transaction(s): se	ction to be repeated for		
	(i) each type of instrument; (ii) each type of transaction;			
	(iii) each date; and (iv) each pla	ce where transactions have been	conducted	
a)	Description of the financial	Restricted Stock Units related to	o shares of Genmab A/S	
	instrument, type of instrument			
	Identification code	DK0010272202		
b)	Nature of the transaction	Grant of Restricted Stock Units		
C)	Price(s) and volume(s)	Price(s)	Volume(s)	
		DKK 0.00	419	
d)	Aggregated information			
	 Aggregated volume 			
	- Aggregated volume			
	- Price			
e)		2023-11-21		

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1.	Details of the person discharging	managerial responsibilities /	
	person closely associated		
a)	Name	Anders Gersel Pedersen	
2.	Reason for the notification		
a)	Position/status	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
3.	Details of the issuer, emission all	owance market participant,	
	auction platform, auctioneer or a	uction monitor	
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
4.	Details of the transaction(s): sect	ion to be repeated for	
	(i) each type of instrument; (ii) ea		
	(iii) each date; and (iv) each place	where transactions have been co	onducted
a)	Description of the financial	Restricted Stock Units related to s	hares of Genmab A/S
	instrument, type of instrument		
	Identification code	DK0010272202	
b)	Nature of the transaction	Grant of Restricted Stock Units	
C)	Price(s) and volume(s)	Price(s)	Volume(s)
		DKK 0.00	279
d)	Aggregated information		
	 Aggregated volume 		
	- Price		
e)	Date of the transaction	2023-11-21	
f)	Place of the transaction	Outside the market	

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1.	Details of the person discharging	managerial responsibilities /	
	person closely associated		
a)	Name	Mijke Zachariasse	
2.	Reason for the notification		
a)	Position/status	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
3.	Details of the issuer, emission all	owance market participant,	
	auction platform, auctioneer or au	uction monitor	
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
4.	Details of the transaction(s): sect	etails of the transaction(s): section to be repeated for	
	(i) each type of instrument; (ii) each type of transaction;		
	(iii) each date; and (iv) each place	where transactions have been c	onducted
a)	Description of the financial	Restricted Stock Units related to s	shares of Genmab A/S
	instrument, type of instrument		
	Identification code	DK0010272202	
b)	Nature of the transaction	Grant of Restricted Stock Units	
C)	Price(s) and volume(s)	Price(s)	Volume(s)
		DKK 0.00	279
d)	Aggregated information		·
	- Aggregated volume		
	- Price		
e)	Date of the transaction	2022-11-21	
f)	Place of the transaction	Outside the market	

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1.	Details of the person discharging	managerial responsibilities /	
	person closely associated	-	
a)	Name	Paolo Paoletti	
2.	Reason for the notification		
a)	Position/status	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
3.	Details of the issuer, emission allo	wance market participant,	
	auction platform, auctioneer or au	ction monitor	
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
4.	Details of the transaction(s): secti	on to be repeated for	
	(i) each type of instrument; (ii) eac		
	(iii) each date; and (iv) each place	where transactions have been co	onducted
a)	Description of the financial	Restricted Stock Units related to s	hares of Genmab A/S
	instrument, type of instrument		
		51/00/0070000	
	Identification code	DK0010272202	
b)	Nature of the transaction	Grant of Restricted Stock Units	
C)	Price(s) and volume(s)	Price(s)	Volume(s)
		DKK 0.00	279
d)	Aggregated information		
	- Aggregated volume		
	- Price		
e)	Date of the transaction	2023-11-21	
f)	Place of the transaction	Outside the market	

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1.	Details of the person discharging	managerial responsibilities /	
	person closely associated	5	
a)	Name	Elizabeth O'Farrell	
2.	Reason for the notification		
a)	Position/status	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
3.	Details of the issuer, emission allo	owance market participant,	
	auction platform, auctioneer or au	ction monitor	
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
4.	Details of the transaction(s): section	on to be repeated for	
	(i) each type of instrument; (ii) eac		
	(iii) each date; and (iv) each place	where transactions have been co	onducted
a)	Description of the financial	Restricted Stock Units related to s	hares of Genmab A/S
	instrument, type of instrument		
	Identification code	DK0010272202	
b)	Nature of the transaction	Grant of Restricted Stock Units	
C)	Price(s) and volume(s)	Price(s)	Volume(s)
		DKK 0.00	279
d)	Aggregated information		
	- Aggregated volume		
	- Price		
e)	Date of the transaction	2023-11-21	
f)	Place of the transaction	Outside the market	

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1.	Details of the person discharging	managerial responsibilities /	
	person closely associated	-	
a)	Name	Martin Schultz	
2.	Reason for the notification		
a)	Position/status	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
3.	Details of the issuer, emission allo	owance market participant,	
	auction platform, auctioneer or au	iction monitor	
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
4.	Details of the transaction(s): section	tion to be repeated for	
	(i) each type of instrument; (ii) eac		
	(iii) each date; and (iv) each place	where transactions have been co	onducted
a)	Description of the financial	Restricted Stock Units related to s	hares of Genmab A/S
	instrument, type of instrument		
		5//00/0070000	
	Identification code	DK0010272202	
b)	Nature of the transaction	Grant of Restricted Stock Units	
C)	Price(s) and volume(s)	Price(s)	Volume(s)
		DKK 0.00	279
d)	Aggregated information		
	- Aggregated volume		
	- Price		
e)	Date of the transaction	2023-11-21	
f)	Place of the transaction	Outside the market	

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1.	Details of the person discharging	managerial responsibilities /	
	person closely associated	-	
a)	Name	Rolf Hoffmann	
2.	Reason for the notification		
a)	Position/status	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
3.	Details of the issuer, emission all	owance market participant,	
	auction platform, auctioneer or au	iction monitor	
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
4.	Details of the transaction(s): sect	ion to be repeated for	
	(i) each type of instrument; (ii) each	• •	
	(iii) each date; and (iv) each place		
a)	Description of the financial	Restricted Stock Units related to s	hares of Genmab A/S
	instrument, type of instrument		
	Identification code	DK0010272202	
b)	Nature of the transaction	Grant of Restricted Stock Units	
C)	Price(s) and volume(s)	Price(s)	Volume(s)
		DKK 0.00	279
d)	Aggregated information		•
	- Aggregated volume		
	- Price		
e)	Date of the transaction	2023-11-21	
f)	Place of the transaction	Outside the market	

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1.	Details of the person dischargir	ng managerial responsibilities /	
	person closely associated		
a)	Name	Takahiro Hamatani	
2.	Reason for the notification		
a)	Position/status	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
3.	Details of the issuer, emission a	Illowance market participant,	
	auction platform, auctioneer or	auction monitor	
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
4.	Details of the transaction(s): se	ction to be repeated for	
(i) each type of instrument; (ii) each type of transaction;			
	(i) each type of instrument; (ii) e	each type of transaction;	
		each type of transaction; ce where transactions have been c	onducted
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a)	(iii) each date; and (iv) each pla	ce where transactions have been c	
a)	(iii) each date; and (iv) each place Description of the financial instrument, type of instrument	ce where transactions have been c Restricted Stock Units related to s	
,	(iii) each date; and (iv) each place Description of the financial instrument, type of instrument Identification code	ce where transactions have been c Restricted Stock Units related to s DK0010272202	
a) b)	(iii) each date; and (iv) each place Description of the financial instrument, type of instrument	ce where transactions have been c Restricted Stock Units related to s	
,	(iii) each date; and (iv) each place Description of the financial instrument, type of instrument Identification code	ce where transactions have been c Restricted Stock Units related to s DK0010272202	
b)	(iii) each date; and (iv) each place Description of the financial instrument, type of instrument Identification code Nature of the transaction	ce where transactions have been c Restricted Stock Units related to s DK0010272202 Grant of Restricted Stock Units	shares of Genmab A/S
b)	(iii) each date; and (iv) each place Description of the financial instrument, type of instrument Identification code Nature of the transaction	ce where transactions have been c Restricted Stock Units related to s DK0010272202 Grant of Restricted Stock Units Price(s)	shares of Genmab A/S
b) c)	(iii) each date; and (iv) each place Description of the financial instrument, type of instrument Identification code Nature of the transaction Price(s) and volume(s)	ce where transactions have been c Restricted Stock Units related to s DK0010272202 Grant of Restricted Stock Units Price(s)	shares of Genmab A/S
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b) c)	 (iii) each date; and (iv) each place Description of the financial instrument, type of instrument Identification code Nature of the transaction Price(s) and volume(s) Aggregated information Aggregated volume 	ce where transactions have been c Restricted Stock Units related to s DK0010272202 Grant of Restricted Stock Units Price(s)	shares of Genmab A/S

About Genmab

Genmab is an international biotechnology company with a core purpose guiding its unstoppable team to strive towards improving the lives of patients through innovative and differentiated antibody therapeutics. For more than 20 years, its passionate, innovative and collaborative team has invented next-generation antibody technology platforms and leveraged translational research and data sciences, which has resulted in a proprietary pipeline including bispecific T-cell engagers, next-generation immune checkpoint modulators, effector function enhanced antibodies and antibody-drug conjugates. To help develop and deliver novel antibody therapies to patients, Genmab has formed 20+ strategic partnerships with biotechnology and pharmaceutical companies. By 2030, Genmab's vision is to transform the lives of people with cancer and other serious diseases with Knock-Your-Socks-Off (KYSO[™]) antibody medicines.

Established in 1999, 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.

Contact:

Marisol Peron, Senior Vice President, Global Communications & Corporate Affairs

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