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 DECEMBER 2024

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, 333-253519, 333-262970 and 333-277273) and to be a part thereof from the date on which this report is filed, to the extent not superseded by documents or reports subsequently filed or furnished.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: DECEMBER 3, 2024

EXHIBIT INDEX

Exhibit Description of Exhibit

99.1 Company Announcement Dated December 3, 2024: Transactions With Shares and Linked Securities in Genmab A/S Made by Managerial Employees and Their Closely Associated Persons



Company Announcement

COPENHAGEN, Denmark; December 3, 2024 – 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.

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

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 allowance market participant, auction platform, auctioneer or auction monitor			
a)	Name	Genmab A/S		
b)	LEI-code	529900MTJPDPE4MHJ122		
4.	Details 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 conducted			
a)	Description of the financial instrument, type of instrument	Share DK0010272202		
	Identification code			
b)	Nature of the transaction	Acquisition due to vesting of restricted stock units		
C)	Price(s) and volume(s)	Price(s)	Volume(s)	
		DKK 0.00	454	
d)	Aggregated information			
	- Aggregated volume			
	- Price			
e)	Date of the transaction	2024-12-02		
f)	Place of the transaction	Outside a market place		

Genmab A/S Carl Jacobsens Vej 30 2500 Valby, Denmark Tel: +45 7020 2728 Fax: +45 7020 2729 www.genmab.com Company Announcement no. 62 Page 1/7 CVR no. 2102 3884 LEI Code 529900MTJPDPE4MHJ122



1.	Details of the person discharging managerial responsibilities / person closely associated			
a)	Name	Pernille Erenbjerg		
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 allowance market participant, auction platform, auctioneer or auction			
	monitor			
a)	Name	Genmab A/S		
b)	LEI-code	529900MTJPDPE4MHJ122		
4.	Details 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 conducted			
a)	Description of the financial instrument, type of	Share		
	instrument			
	Identification code	DK0010272202		
b)	Nature of the transaction	Acquisition due to vesting of restricted stock units		
C)	Price(s) and volume(s)	Price(s)	Volume(s)	
		DKK 0.00	340	
d)	Aggregated information			
	- Aggregated volume			
	- Price			
e)	Date of the transaction	2024-12-02		
f)	Place of the transaction	Outside a market place		

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1.	Details of the person discharging managerial re	esponsibilities / person closel	y associated	
a)	Name	Anders Gersel Pedersen		
2.	Reason for the notification			
a)	Position/status	Member of the Board of Dir	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	Initial notification	
3.	Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction			
	monitor			
a)	Name	Genmab A/S		
b)	LEI-code	529900MTJPDPE4MHJ122		
4.	transaction; (iii) each date; and (iv) each place where transactions have been conducted			
a)	Description of the financial instrument, type of	Share		
	instrument			
		D ////		
	Identification code	DK0010272202		
b)	Nature of the transaction	Acquisition due to vesting of restricted stock units		
C)	Price(s) and volume(s)	Price(s)	Volume(s)	
		DKK 0.00	227	
d)	Aggregated information			
	- Aggregated volume			
	- Price			
e)	Date of the transaction	2024-12-02		
f)	Place of the transaction	Outside a market place		

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1.	Details of the person discharging managerial re	esponsibilities / person closely	/ associated	
a)	Name	Mijke Zachariasse		
2.	Reason for the notification	· · ·		
a)	Position/status	Member of the Board of Dire	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	Initial notification	
3.	Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction			
	monitor			
a)	Name	Genmab A/S		
b)	LEI-code	529900MTJPDPE4MHJ122		
4.	transaction; (iii) each date; and (iv) each place where transactions have been conducted			
a)	Description of the financial instrument, type of	Share		
	instrument			
		D//00/0070000		
	Identification code	DK0010272202		
b)	Nature of the transaction	Acquisition due to vesting of	f restricted stock units	
C)	Price(s) and volume(s)	Price(s)	Volume(s)	
		DKK 0.00	227	
d)	Aggregated information			
	- Aggregated volume			
	- Price			
e)	Date of the transaction	2024-12-02		
f)	Place of the transaction	Outside a market place		

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1.	Details of the person discharging managerial re	esponsibilities / person closely	/ associated	
a)	Name	Paolo Paoletti		
2.	Reason for the notification			
a)	Position/status	Member of the Board of Dire	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	Initial notification	
3.	Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction			
	monitor			
a)	Name	Genmab A/S		
b)	LEI-code	529900MTJPDPE4MHJ122		
4.	transaction; (iii) each date; and (iv) each place where transactions have been conducted			
a)	Description of the financial instrument, type of	Share		
	instrument			
	Identification code	DK0010272202		
b)	Nature of the transaction	Acquisition due to vesting of restricted stock units		
C)	Price(s) and volume(s)	Price(s)	Volume(s)	
		DKK 0.00	227	
d)	Aggregated information			
	- Aggregated volume			
	- Price			
e)	Date of the transaction	2024-12-02		
f)	Place of the transaction	Outside a market place		

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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 D	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	Initial notification	
3.	Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction			
	monitor			
a)	Name	Genmab A/S		
b)	LEI-code	529900MTJPDPE4MHJ122		
4.	4. Details 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 conducted			
a)	Description of the financial instrument, type of	Share		
	instrument			
	Identification code	DK0010272202		
b)	Nature of the transaction	Acquisition due to vesting of restricted stock units		
C)	Price(s) and volume(s)	Price(s)	Volume(s)	
		DKK 0.00	227	
d)	Aggregated information			
	- Aggregated volume			
	- Price			
e)	Date of the transaction	2024-12-02		
f)	Place of the transaction	Outside a market place		

About Genmab

Genmab is an international biotechnology company with a core purpose of guiding its unstoppable team to strive toward improving the lives of patients with innovative and differentiated antibody therapeutics. For 25 years, its passionate, innovative and collaborative team has invented next-generation antibody technology platforms and leveraged translational, quantitative and data sciences, resulting in a proprietary pipeline including bispecific T-cell engagers, antibody-drug conjugates, next-generation immune checkpoint modulators and effector function-enhanced antibodies. 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 international presence across North America, Europe and Asia Pacific. For more information, please visit Genmab.com and follow us on LinkedIn and X.

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

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

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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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