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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

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**FORM 6-K**

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**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 2019**

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**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)

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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 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Form S-8 (File No. 333-232693) and to be a part thereof from the date on which this report is filed, to the extent not superseded by documents or reports subsequently filed or furnished.

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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/ David A. Eatwell

Name: David A. Eatwell

Title: Executive Vice President & Chief Financial Officer

**DATE: December 6, 2019**

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## EXHIBIT INDEX

<u>Exhibit</u>	<u>Description of Exhibit</u>
99.1	Company Announcement Dated December 5, 2019

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## Transactions with shares and linked securities in Genmab A/S made by managerial employees and their closely associated persons

### Company Announcement

Copenhagen, Denmark; December 5, 2019 – 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

<b>1.</b>	<b>Details of the person discharging managerial responsibilities / person closely associated</b>		
a)	Name	Mats Pettersson	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position/status	Chairman of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
<b>4.</b>	<b>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</b>		
a)	Description of the financial instrument, type of instrument	Restricted Stock Units related to shares of Genmab A/S	
	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	495
d)	Aggregated information - Aggregated volume - Price		
e)	Date of the transaction	2019-12-05	
f)	Place of the transaction	Outside the market	

## Transactions with shares and linked securities in Genmab A/S made by managerial employees and their closely associated persons

<b>1.</b>	<b>Details of the person discharging managerial responsibilities / person closely associated</b>		
a)	Name	Deirdre P. Connelly	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position/status	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
<b>4.</b>	<b>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</b>		
a)	Description of the financial instrument, type of instrument	Restricted Stock Units related to shares of Genmab A/S	
	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	371
d)	Aggregated information - Aggregated volume - Price		
e)	Date of the transaction	2019-12-05	
f)	Place of the transaction	Outside the market	

## Transactions with shares and linked securities in Genmab A/S made by managerial employees and their closely associated persons

<b>1.</b>	<b>Details of the person discharging managerial responsibilities / person closely associated</b>		
a)	Name	Dan Bruno	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position/status	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
<b>4.</b>	<b>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</b>		
a)	Description of the financial instrument, type of instrument	Restricted Stock Units related to shares of Genmab A/S	
	Identification code	DK0010272202	
b)	Nature of the transaction	Grant of Restricted Stock Units (partly as employee of Genmab US, Inc., partly as board member)	
c)	Price(s) and volume(s)	Price(s)	Volume(s)
		DKK 0.00	910 (as employee)
		DKK 0.00	247 (as board member)
d)	Aggregated information		
	- Aggregated volume	1,157	
	- Price	DKK 0.00	
e)	Date of the transaction	2019-12-05	
f)	Place of the transaction	Outside the market	

## Transactions with shares and linked securities in Genmab A/S made by managerial employees and their closely associated persons

<b>1.</b>	<b>Details of the person discharging managerial responsibilities / person closely associated</b>		
a)	Name	Pernille Erenbjerg	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position/status	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
<b>4.</b>	<b>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</b>		
a)	Description of the financial instrument, type of instrument	Restricted Stock Units related to shares of Genmab A/S	
	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	247
d)	Aggregated information - Aggregated volume - Price		
e)	Date of the transaction	2019-12-05	
f)	Place of the transaction	Outside the market	

## Transactions with shares and linked securities in Genmab A/S made by managerial employees and their closely associated persons

<b>1.</b>	<b>Details of the person discharging managerial responsibilities / person closely associated</b>		
a)	Name	Rolf Hoffmann	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position/status	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
<b>4.</b>	<b>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</b>		
a)	Description of the financial instrument, type of instrument	Restricted Stock Units related to shares of Genmab A/S	
	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	247
d)	Aggregated information - Aggregated volume - Price		
e)	Date of the transaction	2019-12-05	
f)	Place of the transaction	Outside the market	



## Transactions with shares and linked securities in Genmab A/S made by managerial employees and their closely associated persons

<b>1.</b>	<b>Details of the person discharging managerial responsibilities / person closely associated</b>		
a)	Name	Peter Storm Kristensen	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position/status	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
<b>4.</b>	<b>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</b>		
a)	Description of the financial instrument, type of instrument	Restricted Stock Units related to shares of Genmab A/S	
	Identification code	DK0010272202	
b)	Nature of the transaction	Grant of Restricted Stock Units (partly as employee of Genmab A/S, partly as board member)	
c)	Price(s) and volume(s)	Price(s)	Volume(s)
		DKK 0.00	104 (as employee)
		DKK 0.00	247 (as board member)
d)	Aggregated information - Aggregated volume - Price	351 DKK 0.00	
e)	Date of the transaction	2019-12-05	
f)	Place of the transaction	Outside the market	

## Transactions with shares and linked securities in Genmab A/S made by managerial employees and their closely associated persons

<b>1.</b>	<b>Details of the person discharging managerial responsibilities / person closely associated</b>		
a)	Name	Paolo Paoletti	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position/status	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
<b>4.</b>	<b>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</b>		
a)	Description of the financial instrument, type of instrument	Restricted Stock Units related to shares of Genmab A/S	
	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	247
d)	Aggregated information - Aggregated volume - Price		
e)	Date of the transaction	2019-12-05	
f)	Place of the transaction	Outside the market	

## Transactions with shares and linked securities in Genmab A/S made by managerial employees and their closely associated persons

<b>1.</b>	<b>Details of the person discharging managerial responsibilities / person closely associated</b>		
a)	Name	Anders Gersel Pedersen	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position/status	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
<b>4.</b>	<b>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</b>		
a)	Description of the financial instrument, type of instrument	Restricted Stock Units related to shares of Genmab A/S	
	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	247
d)	Aggregated information - Aggregated volume - Price		
e)	Date of the transaction	2019-12-05	
f)	Place of the transaction	Outside the market	

## Transactions with shares and linked securities in Genmab A/S made by managerial employees and their closely associated persons

<b>1.</b>	<b>Details of the person discharging managerial responsibilities / person closely associated</b>		
a)	Name	Mijke Zachariasse	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position/status	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
<b>4.</b>	<b>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</b>		
a)	Description of the financial instrument, type of instrument	Restricted Stock Units related to shares of Genmab A/S	
	Identification code	DK0010272202	
b)	Nature of the transaction	Grant of Restricted Stock Units (partly as employee of Genmab B.V., partly as board member)	
c)	Price(s) and volume(s)	Price(s)	Volume(s)
		DKK 0.00	99 (as employee)
		DKK 0.00	247 (as board member)
d)	Aggregated information		
	- Aggregated volume	346	
	- Price	DKK 0.00	
e)	Date of the transaction	2019-12-05	
f)	Place of the transaction	Outside the market	

## Transactions with shares and linked securities in Genmab A/S made by managerial employees and their closely associated persons

<b>1.</b>	<b>Details of the person discharging managerial responsibilities / person closely associated</b>		
a)	Name	Jan G. J. van de Winkel	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position/status	President & Chief Executive Officer	
b)	Initial notification/Amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
<b>4.</b>	<b>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</b>		
a)	Description of the financial instrument, type of instrument	Restricted Stock Units related to shares of Genmab A/S	
	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	15,479
d)	Aggregated information - Aggregated volume - Price		
e)	Date of the transaction	2019-12-05	
f)	Place of the transaction	Outside the market	

## Transactions with shares and linked securities in Genmab A/S made by managerial employees and their closely associated persons

<b>1.</b>	<b>Details of the person discharging managerial responsibilities / person closely associated</b>		
a)	Name	Judith Klimovsky	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position/status	Executive Vice President & Chief Development Officer	
b)	Initial notification/Amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
<b>4.</b>	<b>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</b>		
a)	Description of the financial instrument, type of instrument	Restricted Stock Units related to shares of Genmab A/S	
	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	10,314
d)	Aggregated information - Aggregated volume - Price		
e)	Date of the transaction	2019-12-05	
f)	Place of the transaction	Outside the market	

## Transactions with shares and linked securities in Genmab A/S made by managerial employees and their closely associated persons

<b>1.</b>	<b>Details of the person discharging managerial responsibilities / person closely associated</b>		
a)	Name	Dan Bruno	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position/status	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
<b>4.</b>	<b>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</b>		
a)	Description of the financial instrument, type of instrument	Warrants related to shares of Genmab A/S	
	Identification code	DK0010272202	
b)	Nature of the transaction	Grant of warrants (as employee of Genmab US, Inc., not as board member)	
c)	Price(s) and volume(s)	Price(s)	Volume(s)
		DKK 0.00	3,206
d)	Aggregated information - Aggregated volume - Price		
e)	Date of the transaction	2019-12-05	
f)	Place of the transaction	Outside the market	

## Transactions with shares and linked securities in Genmab A/S made by managerial employees and their closely associated persons

<b>1.</b>	<b>Details of the person discharging managerial responsibilities / person closely associated</b>		
a)	Name	Peter Storm Kristensen	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position/status	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
<b>4.</b>	<b>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</b>		
a)	Description of the financial instrument, type of instrument	Warrants related to shares of Genmab A/S	
	Identification code	DK0010272202	
b)	Nature of the transaction	Grant of warrants (as employee of Genmab A/S, not as board member)	
c)	Price(s) and volume(s)	Price(s)	Volume(s)
		DKK 0.00	368
d)	Aggregated information - Aggregated volume - Price		
e)	Date of the transaction	2019-12-05	
f)	Place of the transaction	Outside the market	



## Transactions with shares and linked securities in Genmab A/S made by managerial employees and their closely associated persons

<b>1.</b>	<b>Details of the person discharging managerial responsibilities / person closely associated</b>		
a)	Name	Mijke Zachariasse	
<b>2.</b>	<b>Reason for the notification</b>		
a)	Position/status	Member of the Board of Directors	
b)	Initial notification/Amendment	Initial notification	
<b>3.</b>	<b>Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction monitor</b>		
a)	Name	Genmab A/S	
b)	LEI-code	529900MTJPDPE4MHJ122	
<b>4.</b>	<b>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</b>		
a)	Description of the financial instrument, type of instrument	Warrants related to shares of Genmab A/S	
	Identification code	DK0010272202	
b)	Nature of the transaction	Grant of warrants (as employee of Genmab B.V., not as board member)	
c)	Price(s) and volume(s)	Price(s)	Volume(s)
		DKK 0.00	351
d)	Aggregated information - Aggregated volume - Price		
e)	Date of the transaction	2019-12-05	
f)	Place of the transaction	Outside the market	

### About Genmab

Genmab is a publicly traded, international biotechnology company specializing in the creation and development of differentiated antibody therapeutics for the treatment of cancer. Founded in 1999, the company has two approved antibodies, DARZALEX® (daratumumab) for the treatment of certain multiple myeloma indications, and Arzerra® (ofatumumab) for the treatment of certain chronic lymphocytic leukemia indications. Daratumumab is in clinical development for additional multiple myeloma indications, other blood cancers and amyloidosis. A subcutaneous formulation of ofatumumab is in development for relapsing multiple sclerosis. Genmab also has a broad clinical and pre-clinical product pipeline. Genmab's technology base consists of validated and proprietary next generation antibody technologies - the DuoBody® platform for generation of bispecific antibodies, the HexaBody® platform, which creates effector function enhanced antibodies, the HexElect® platform, which combines two co-dependently acting HexaBody molecules to introduce selectivity while maximizing therapeutic potency and the DuoHexaBody® platform, which enhances

## Transactions with shares and linked securities in Genmab A/S made by managerial employees and their closely associated persons

the potential potency of bispecific antibodies through hexamerization. The company intends to leverage these technologies to create opportunities for full or co-ownership of future products. Genmab has alliances with top tier pharmaceutical and biotechnology companies. Genmab is headquartered in Copenhagen, Denmark with core sites in Utrecht, the Netherlands and Princeton, New Jersey, U.S.

**Contact:**

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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 pre-clinical 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](http://www.genmab.com) and the risk factors included in Genmab's final prospectus for our U.S. public offering and listing and other filings with the U.S. Securities and Exchange Commission (SEC), which are available at [www.sec.gov](http://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<sup>®</sup>; the Y-shaped Genmab logo<sup>®</sup>; Genmab in combination with the Y-shaped Genmab logo<sup>®</sup>; HuMax<sup>®</sup>; DuoBody<sup>®</sup>; DuoBody in combination with the DuoBody logo<sup>®</sup>; HexaBody<sup>®</sup>; HexaBody in combination with the HexaBody logo<sup>®</sup>; DuoHexaBody<sup>®</sup>; HexElect<sup>®</sup>; and UniBody<sup>®</sup>. Arzerra<sup>®</sup> is a trademark of Novartis AG or its affiliates. DARZALEX<sup>®</sup> is a trademark of Janssen Pharmaceutica NV.

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