

PROXY FORM

For use at the Annual General Meeting of Genmab A/S on Wednesday March 29, 2023.



The undersigned hereby assigns the following proxy:

Please tick the appropriate box A), B) or C) or grant your proxy at www.vp.dk/agm or at www.genmab.com.

A) Proxy is assigned to the following third party (the proxy may be withdrawn at any time):

Name and address of proxy (please use BLOCK CAPITALS)

or

B) Proxy is assigned to the Board of Directors (with right of substitution) to vote in accordance with the recommendations of the Board of Directors as stated in the table below. The proxy may be withdrawn at any time.

or

C) Proxy is assigned to the Board of Directors (with right of substitution) to vote in accordance with the voting directions given in the table below. Please tick the box "FOR", "AGAINST" or "ABSTAIN". The proxy may be withdrawn at any time.

Items on the Agenda of the Annual General Meeting on March 29, 2023	FOR	AGAINST	ABSTAIN	The Board's recommendation
1. Report by the Board of Directors on the Company's activities during the past year	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-
2. Presentation and adoption of the audited Annual Report and discharge of Board of Directors and Executive Management.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FOR
3. Resolution on the distribution of profits as recorded in the adopted Annual Report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FOR
4. Advisory vote on the Compensation Report.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FOR
5. Election of members of the Board of Directors:				
a. Re-election of Deirdre P. Connelly.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FOR
b. Re-election of Pernille Erenbjerg	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FOR
c. Re-election of Rolf Hoffmann	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FOR
d. Re-election of Elizabeth O'Farrell	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FOR
e. Re-election of Dr. Paolo Paoletti	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FOR
f. Re-election of Dr. Anders Gersel Pedersen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FOR
6. Election of auditor:.....				
Re-election of PricewaterhouseCoopers Statsautoriseret Revisionspartnerselskab	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FOR
7. Proposals from the Board of Directors:				
a. Approval of the Board of Directors' remuneration for 2023.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FOR
b. Amendment to Remuneration Policy for the Board of Directors and the Executive Management (removal of DKK 25 million cap).....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FOR
c. Amendments to Remuneration Policy for the Board of Directors and the Executive Management (certain other changes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FOR
d. Authorization to the Board of Directors to mandate the Company to acquire treasury shares.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FOR
8. Authorization of the Chair of the General Meeting to register resolutions passed by the General Meeting.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FOR
9. Any other business	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-

If the proxy form has only been dated and signed, it will be considered as having been given in accordance with the recommendations of the Board of Directors, as detailed in the table above. If the proxy form is only partly completed, the votes in respect of agenda items for which no instructions are given will be deemed cast in accordance with the recommendations of the Board of Directors in the table above.

The proxy applies to all topics dealt with at the Annual General Meeting. If new proposals are presented and put to a vote, including proposals for amendments or candidates not appearing on the list, the proxy holder shall vote on your behalf in accordance with his/her convictions. The proxy applies to the number of shares owned by the undersigned on the registration date, Wednesday March 22, 2023. The shareholding is determined on the basis of entry in the register of shareholders and notifications of ownership that the Company has received, but has not yet entered in the register of shareholders.

Date | | | | 2 | 0 | 2 | 3 |

Name of shareholder: _____

Address: _____

Postcode and city: _____

VP reference: _____

Signature: _____

The proxy must be received by Euronext Securities no later than **Friday, March 24, 2023 at 11:59 PM CET**. Please visit the website of Euronext Securities at www.vp.dk/agm or Genmab A/S at www.genmab.com to assign a proxy.

You may also return the proxy form to Euronext Securities, Nicolai Eigtvæds Gade 8, DK-1402 Copenhagen K, Denmark. The form may also be returned by e-mail to CPH-investor@euronext.com.

POSTAL VOTING FORM

For use at the Annual General Meeting of Genmab A/S on Wednesday March 29, 2023.

The undersigned hereby casts a postal vote as follows:

Items on the Agenda of the Annual General Meeting on March 29, 2023	FOR	AGAINST	ABSTAIN	The Board's recommendation
1. Report by the Board of Directors on the Company's activities during the past year	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-
2. Presentation and adoption of the audited Annual Report and discharge of Board of Directors and Executive Management.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FOR
3. Resolution on the distribution of profits as recorded in the adopted Annual Report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FOR
4. Advisory vote on the Compensation Report.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FOR
5. Election of members of the Board of Directors:				
a. Re-election of Deirdre P. Connelly.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FOR
b. Re-election of Pernille Erenbjerg	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FOR
c. Re-election of Rolf Hoffmann	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FOR
d. Re-election of Elizabeth O'Farrell	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FOR
e. Re-election of Dr. Paolo Paoletti	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FOR
f. Re-election of Dr. Anders Gersel Pedersen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FOR
6. Election of auditor:.....				
Re-election of PricewaterhouseCoopers Statsautoriseret Revisionspartnerselskab	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	FOR
7. Proposals from the Board of Directors:				
a. Approval of the Board of Directors' remuneration for 2023	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FOR
b. Amendment to Remuneration Policy for the Board of Directors and the Executive Management (removal of DKK 25 million cap)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FOR
c. Amendments to Remuneration Policy for the Board of Directors and the Executive Management (certain other changes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FOR
d. Authorization to the Board of Directors to mandate the Company to acquire treasury shares.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FOR
8. Authorization of the Chair of the General Meeting to register resolutions passed by the General Meeting.....	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FOR
9. Any other business	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-

The postal vote applies to the number of shares that the undersigned owns on the registration date, Wednesday March 22, 2023. The shareholding is determined on the basis of entry in the register of shareholders and notifications of ownership that the Company has received, but has not yet entered in the register of shareholders.

Please note that once the Company has received the postal vote, it cannot be revoked.

Date | | | | 2 | 0 | 2 | 3 | Name of shareholder: _____

Address: _____

Postcode and city: _____

VP reference: _____

Signature: _____

The postal vote must be received by Euronext Securities no later than **Tuesday March 28, 2023 at 10:00 AM CEST**. Please visit the website of Euronext Securities at www.vp.dk/agm or Genmab A/S at www.genmab.com to cast a postal vote.

You may also return the postal voting form to Euronext Securities, Nicolai Eigtveds Gade 8, DK-1402 Copenhagen K, Denmark. The form may also be returned by e-mail to CPH-investor@euronext.com.