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 2025

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, 333-277273 and 333-284876) and to be a part thereof from the date on which this report is filed, to the extent not superseded by documents or reports subsequently filed or furnished.

EXHIBIT INDEX

Exhibit	Description of Exhibit
99.1	Company Announcement Dated December 29, 2025

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 29, 2025

Genmab Portfolio Prioritization Update

Company Announcement

- **Genmab to discontinue clinical development of acasunlimab following a portfolio review**
- **Decision reflects prioritization of higher-impact opportunities across Genmab's late-stage pipeline and increasingly competitive landscape**
- **This decision does not impact Genmab's full-year 2025 financial guidance**

COPENHAGEN, Denmark; December 29, 2025 – Genmab A/S (Nasdaq: GMAB) announced today that it will discontinue further clinical development of acasunlimab. This decision was made as part of Genmab's strategic focus on the most value-creating opportunities in its late-stage portfolio and following a thorough assessment of the evolving competitive landscape. While the clinical profile observed to date has been encouraging, Genmab will concentrate resources on programs with the highest potential impact, including EPKINLY® (epcoritamab), petosemtamab and rinatabart sesutecan (Rina-S®), which are advancing in late-stage development. This decision is consistent with Genmab's disciplined portfolio prioritization and capital allocation framework.

"After careful consideration, we have decided to discontinue the acasunlimab program. Although the data have been encouraging, the compelling opportunities we see in our late-stage pipeline led us to focus our investments where we believe we can deliver the greatest benefit for patients and shareholders. We are highly energized by the momentum of EPKINLY, petosemtamab and Rina-S, and we remain committed to executing these programs with speed and rigor," said Jan van de Winkel, Ph.D., Chief Executive Officer, Genmab.

This decision does not impact Genmab's full-year 2025 financial guidance.

About Genmab

Genmab is an international biotechnology company dedicated to improving the lives of people with cancer and other serious diseases through innovative antibody medicines. For over 25 years, its passionate, innovative and collaborative team has advanced a broad range of antibody-based therapeutic formats, including bispecific antibodies, antibody–drug conjugates (ADCs), immune-modulating antibodies and other next-generation modalities. Genmab's science powers eight approved antibody medicines, and the company is advancing a strong late-stage clinical pipeline, including wholly owned programs, with the goal of delivering transformative medicines to patients.

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.

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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

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