

Title (en)
PRO-ANTIBODY THAT REDUCES OFF-TARGET TOXICITY

Title (de)
PRO-ANTIKÖRPER, DER DIE OFF-TARGET-TOXIZITÄT REDUZIERT

Title (fr)
PRO-ANTICORPS RÉDUISANT LA TOXICITÉ HORS CIBLE

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Application
EP 21741991 A 20210115

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Abstract (en)
[origin: CN114945597A] The present invention includes proteins, nucleic acids, and methods of making and using activatable antibodies (aAb) comprising, in order: a first light chain comprising a first light chain variable region; a cuttable joint; a first heavy chain comprising a first heavy chain variable region; wherein the cleavable linker prevents or reduces the formation of a first antigen binding site for the first antigen by the first light chain and the first heavy chain; and wherein cleavage of the cleavable linker releases the first heavy chain to effect formation of a first antigen binding site to bind a first antigen.

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Citation (search report)
• [X1] WO 2019051102 A2 20190314 - MAVERICK THERAPEUTICS INC [US]
• [X1] WO 2017156178 A1 20170914 - MAVERICK THERAPEUTICS INC [US]
• [X1] LANG SHANSHAN ET AL: "LegoBody: facile generation of bispecific and multi-specific antibodies", BIORXIV, 27 December 2019 (2019-12-27), XP093129094, Retrieved from the Internet <URL:https://www.biorxiv.org/content/10.1101/2019.12.25.888586v1.full.pdf> [retrieved on 20240208], DOI: 10.1101/2019.12.25.888586

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