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Corrigendum: Bi-specific autoantigen-T cell engagers as targeted immunotherapy for autoreactive B cell depletion in autoimmune diseases

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A Corrigendum on

Bi-specific autoantigen-T cell engagers as targeted immunotherapy for autoreactive B cell depletion in autoimmune diseases

By Perico L, Casiraghi F, Sônego F, Todeschini M, Corna D, Cerullo D, Pezzotta A, Isnard-Petit P, Faravelli S, Forneris F, Thiam K, Benigni A and Remuzzi G (2024) *Front. Immunol.* 15:1335998. doi: 10.3389/fimmu.2024.1335998

In the published article, there was an error. Typographical errors have been identified in the **Methods** section pertaining to the description of targeting vector construction for homologous recombination.

A correction has been made to **Materials and methods**, 4.3 Construction of targeting vectors for homologous recombination in embryonic stem cells. This sentence previously stated:

"The homology arms were isolated by cloning from C57BL/6N mouse genomic DNA. Three targeting vectors were generated targeting specifically Cd3 γ , Cd3 δ and Cd3 ϵ extracellular domains genes in C57BL/6N mouse ES cells. For the Cd3 γ targeting vector, the humanizing chimeric CD3 γ cDNA was introduced into the murine exon 3 by DNA synthesis. A loxP-flanked puromycin resistance cassette was inserted in 3' of the humanized cassette. For the Cd3 δ targeting vector, the humanizing chimeric CD3 δ cDNA was introduced into the murine exon 2 by DNA synthesis. An FRT-flanked hygromycin resistance cassette was inserted in 3' of the humanized cassette. For the Cd3 ϵ targeting vector, the humanizing chimeric CD3 ϵ cDNA was introduced into the murine exon 2 by

Perico et al. 10.3389/fimmu.2024.1543066

DNA synthesis. A lox2272-flanked neomycin resistance cassette was inserted in 3' of the humanized cassette. The integrity of the targeting vectors was assessed by full sequencing."

The corrected sentence appears below:

"The homology arms were isolated by cloning from C57BL/6N mouse genomic DNA. Three different targeting vectors were generated to humanize the three different genes, part of the Cd3 locus: a first vector composed of a CD3 γ cDNA upstream of a lox2272-flanked neomycin cassette has been inserted in frame with Cd3 γ exon 2; a second vector composed of a CD3 δ cDNA upstream of an FRT-flanked hygromycin cassette has been inserted in frame with murine Cd3 δ exon 2; a third vector composed of a CD3 ϵ complete cDNA upstream of a loxP-flanked puromycin cassette has been inserted in frame with murine Cd3 ϵ exon 3. All targeting were performed in cis. The insertion of the human sequences under the control of the mouse promoters and regularity regions prevents the

production of the three endogenous mouse Cd3 γ , Cd3 δ and Cd3 ϵ proteins. The integrity of the targeting vectors was assessed by full sequencing."

The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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