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## Correction: Prevention of V $\gamma$ 9V $\delta$ 2 T Cell Activation by a V $\gamma$ 9V $\delta$ 2 TCR Nanobody

This information is current as of May 15, 2017.

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## Corrections

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BTN3A1 and VHH 5E7 were transposed in the column headings of Table II as published. The corrected table is shown below.

The authors also wish to correct the text in one paragraph in the *Discussion*. The paragraph beginning with “Previously, mutagenesis experiments have shown. . .” should read as follows:

Previously, mutagenesis experiments have shown that variations in the V $\gamma$ 9V $\delta$ 2 TCR CDR3 $\delta$ 2 region, which may differ within and between individuals, determine phosphoantigen/BTN3A1-mediated V $\gamma$ 9V $\delta$ 2 TCR activation. However, no specific sequence was required except for an aliphatic residue at position 97 and restrictions regarding the length of the CDR (10, 75). In accordance, we found multiple interactions in the CDR3 $\delta$ 2<sub>98–103</sub> region for both models of the V $\gamma$ 9V $\delta$ 2 TCR–VHH 5E7 and the V $\gamma$ 9V $\delta$ 2 TCR–BTN3A1 complex, as well as an additional CDR3 $\delta$ 2 Leu<sup>97</sup> interaction in the latter. Of note, mutations in the CDR3 $\delta$ 2<sub>98–103</sub> region of the V $\gamma$ 9V $\delta$ 2 TCR did not abrogate VHH 5E7 binding (Supplemental Fig. 3), suggesting that VHH 5E7 will be widely applicable when considering clinical utility. Additionally, interactions were also predicted for the V $\gamma$ 9 chain with VHH 5E7 and BTN3A1. Both molecules were found to interact with  $\gamma$ 9 Lys<sup>109</sup>, a residue previously reported to be involved in V $\gamma$ 9V $\delta$ 2 TCR activation (76, 77). Considering the relevance of the  $\delta$ 2 chain interactions reported in the current study and previously (10, 78), the  $\gamma$ 9 interactions are likely to be primarily relevant for stabilization of the interaction with V $\delta$ 2. Additionally, we found residue  $\gamma$ 9 Tyr<sup>54</sup> to interact with both BTN3A1 and VHH 5E7, which is in accordance with the suggestion that this residue is involved in contacting the Ag-presenting molecule of the V $\gamma$ 9V $\delta$ 2 TCR (75).

Table II. List of hydrogen bonds for V $\gamma$ 9V $\delta$ 2 TCR–VHH 5E7 and V $\gamma$ 9V $\delta$ 2 TCR–BTN3A1 complexes

V $\gamma$ 9V $\delta$ 2-TCR		VHH 5E7		V $\gamma$ 9V $\delta$ 2-TCR		BTN3A1	
$\delta$ 2, 102	Glu	27	Arg	$\delta$ 2, 34	Tyr	3	Gln
$\delta$ 2, 102	Glu	1	Glu	$\delta$ 2, 97	Leu	3	Gln
$\delta$ 2, 102	Glu	119	Tyr	$\delta$ 2, 100	Gly	109	Lys
$\delta$ 2, 103	Tyr	103	Ala	$\delta$ 2, 99	Met	5	Ser
$\gamma$ 9, 55	Asp	30	Ser	$\delta$ 2, 103	Tyr	28	Phe
$\gamma$ 9, 54	Tyr	31	Asn	$\gamma$ 9, 54	Tyr	80	Gly
$\delta$ 2, 101	Gly	99	Gln	$\gamma$ 9, 59	Arg	26	His
$\gamma$ 9, 59	Arg	30	Ser				
$\gamma$ 9, 107	Gly	104	Asp				

Based on the top clusters obtained by docking. Numbers indicate amino acid residues.

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