

1/34

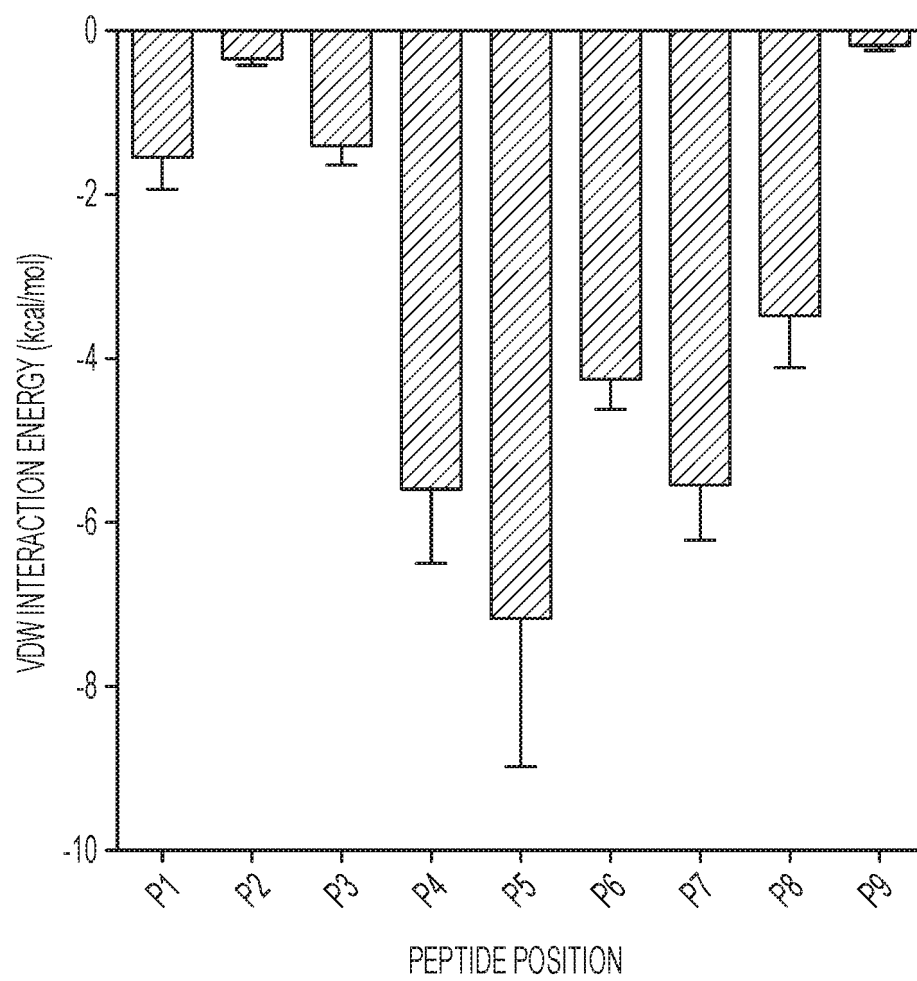


Figure 1

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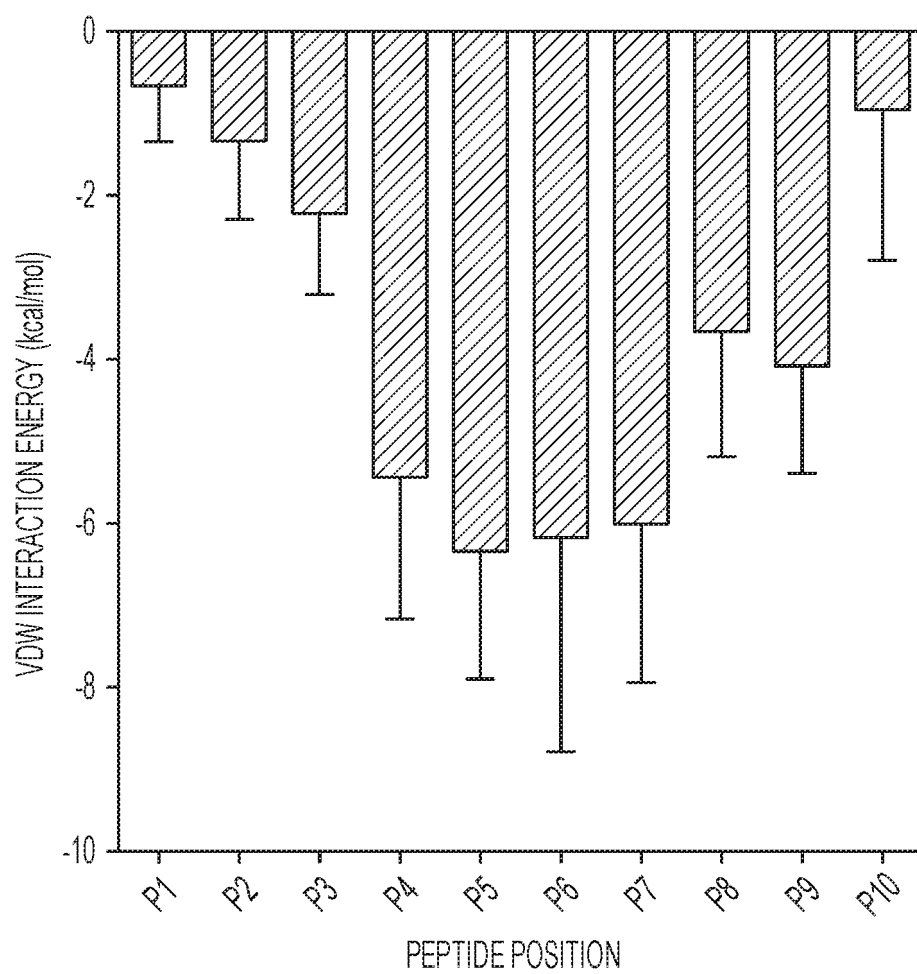


Figure 2

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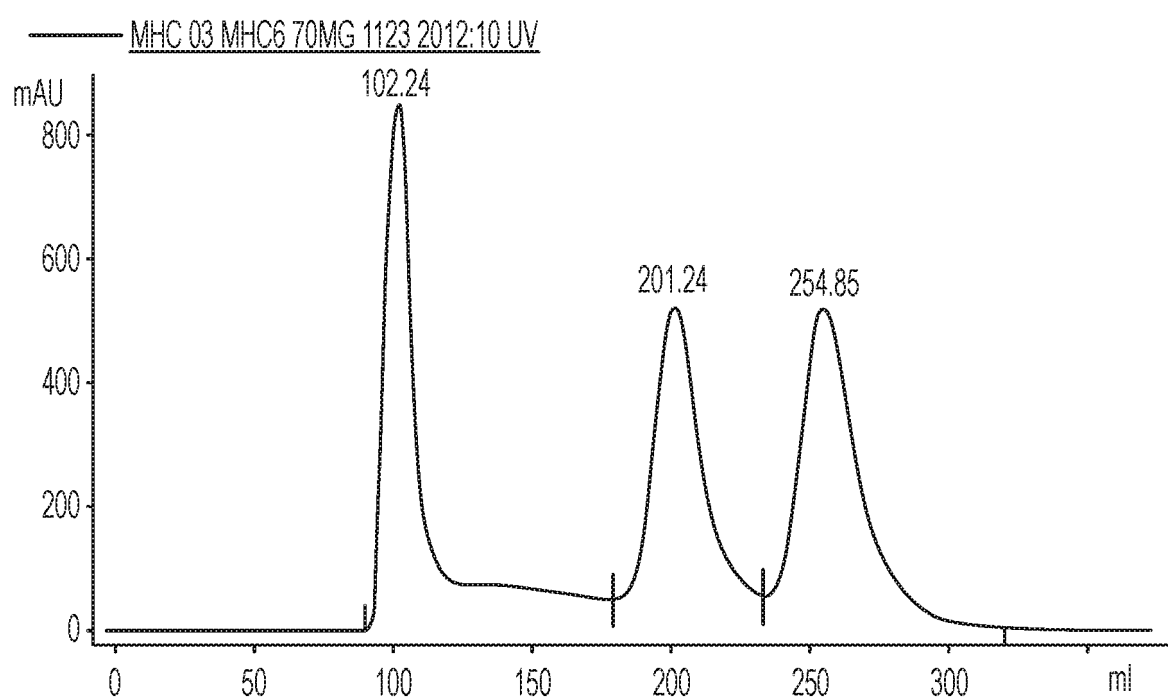


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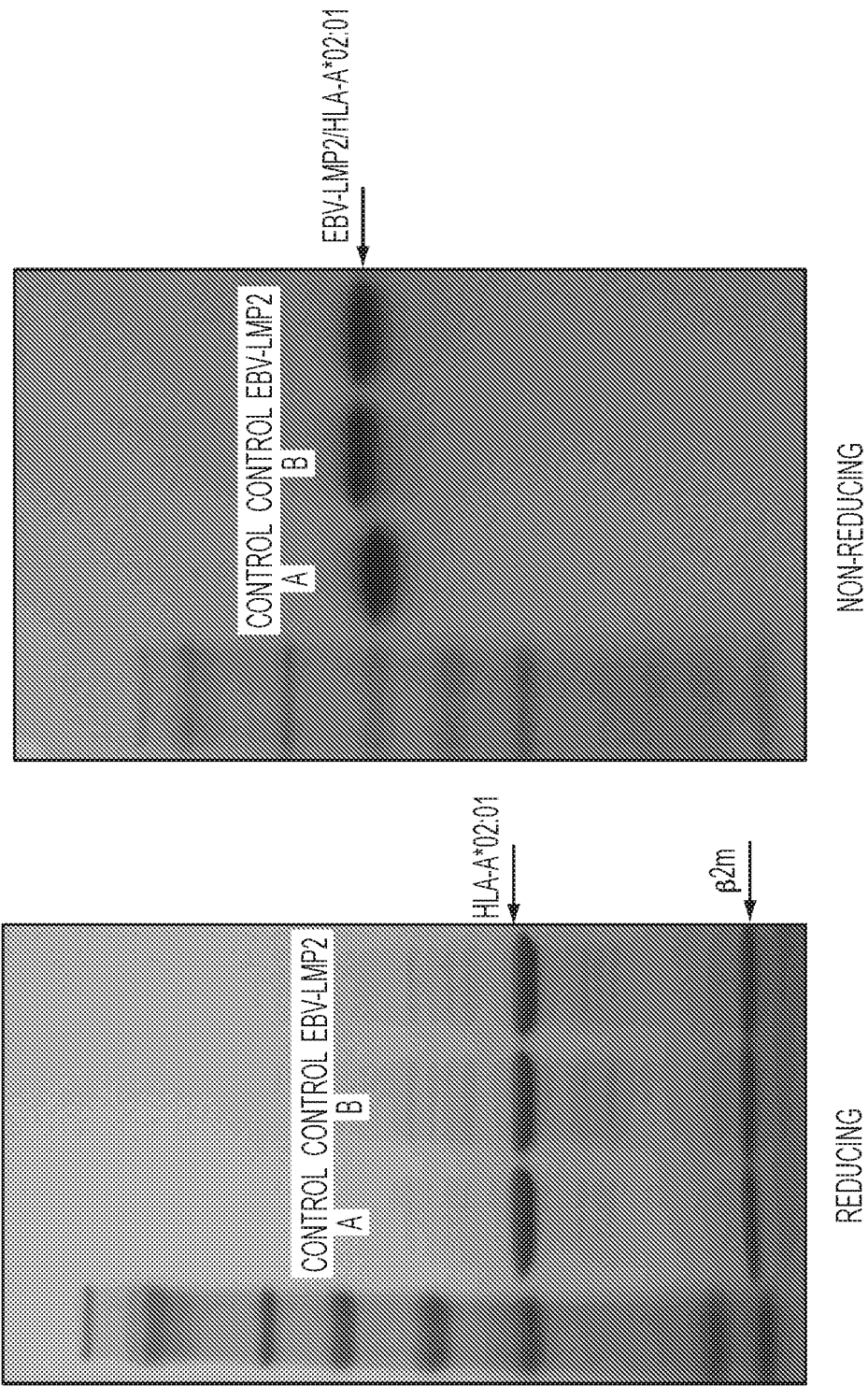


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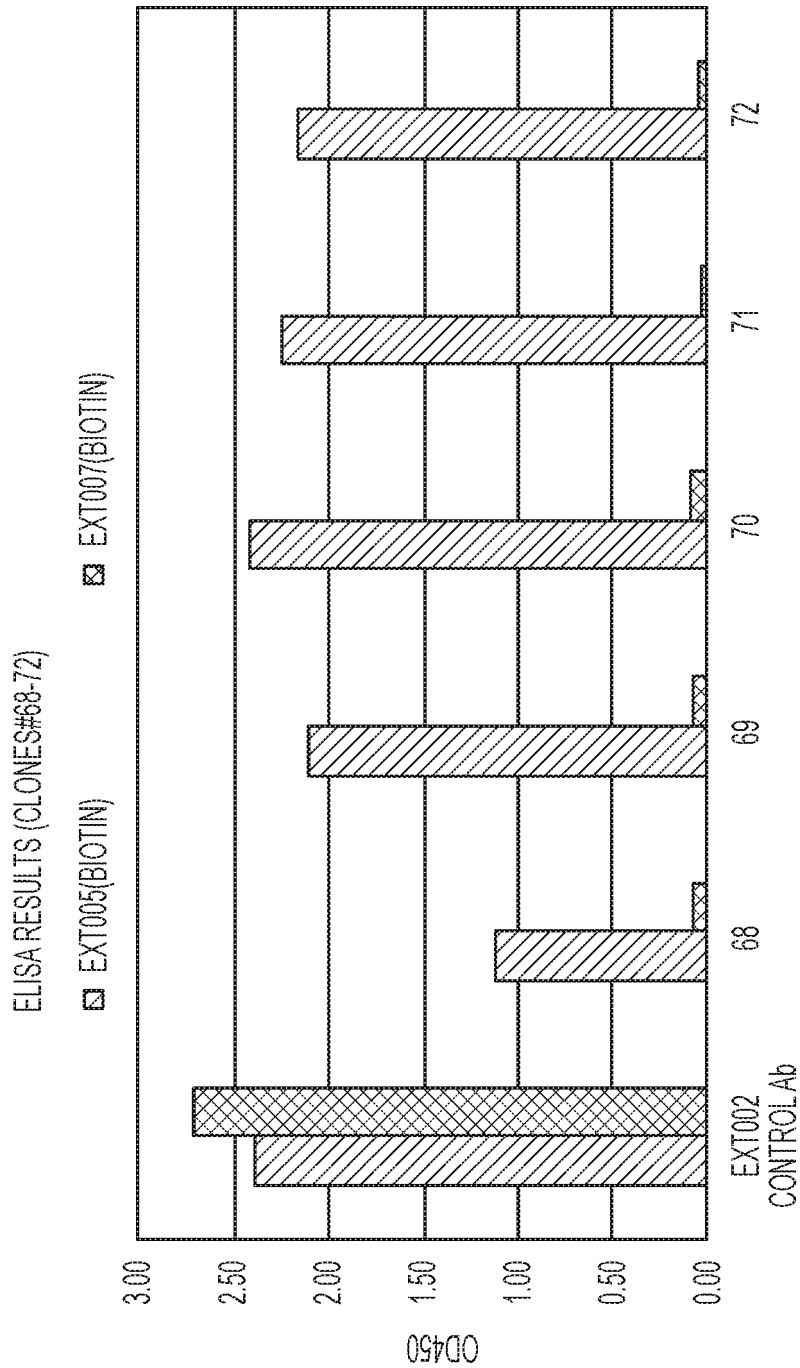


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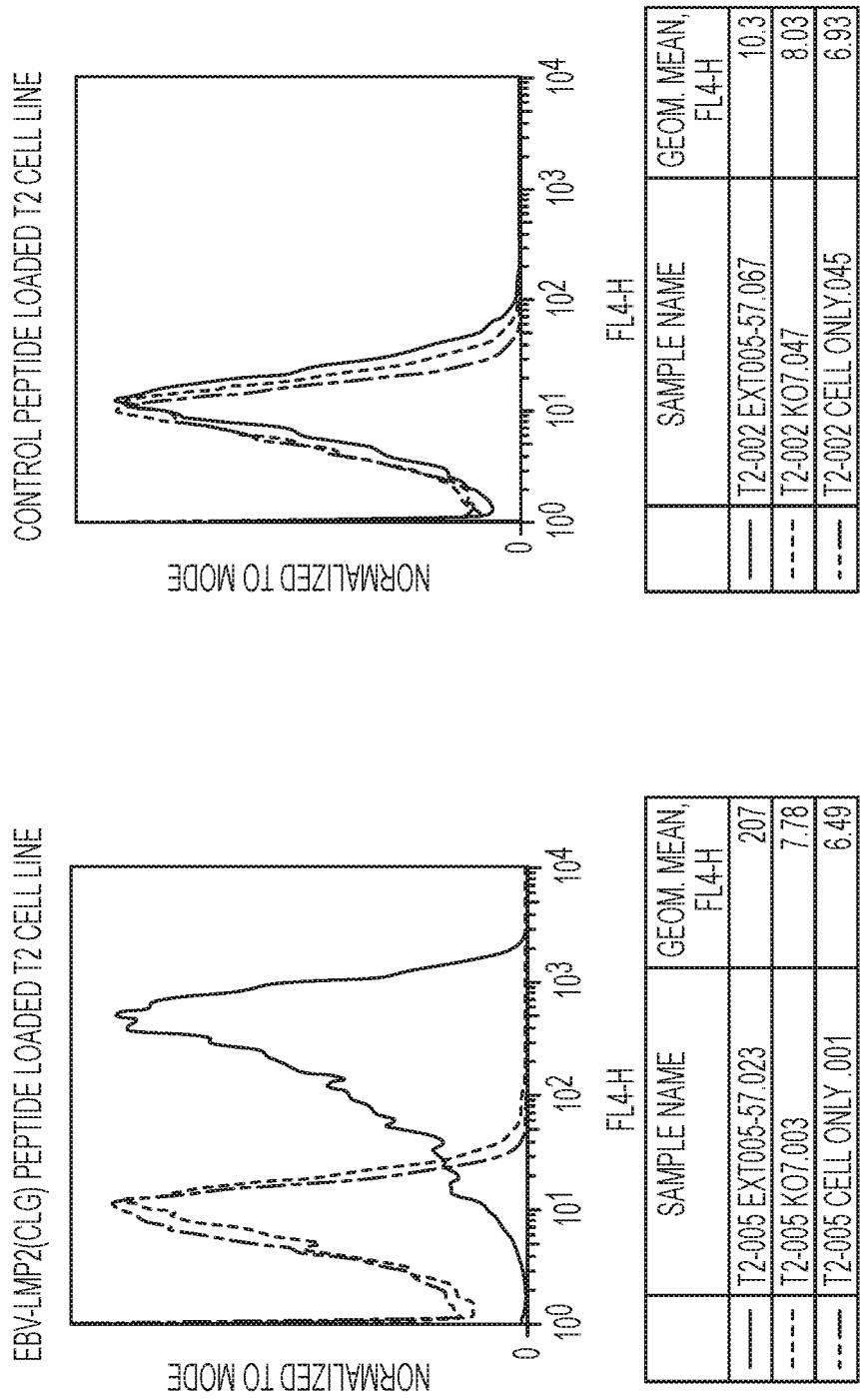


Figure 6

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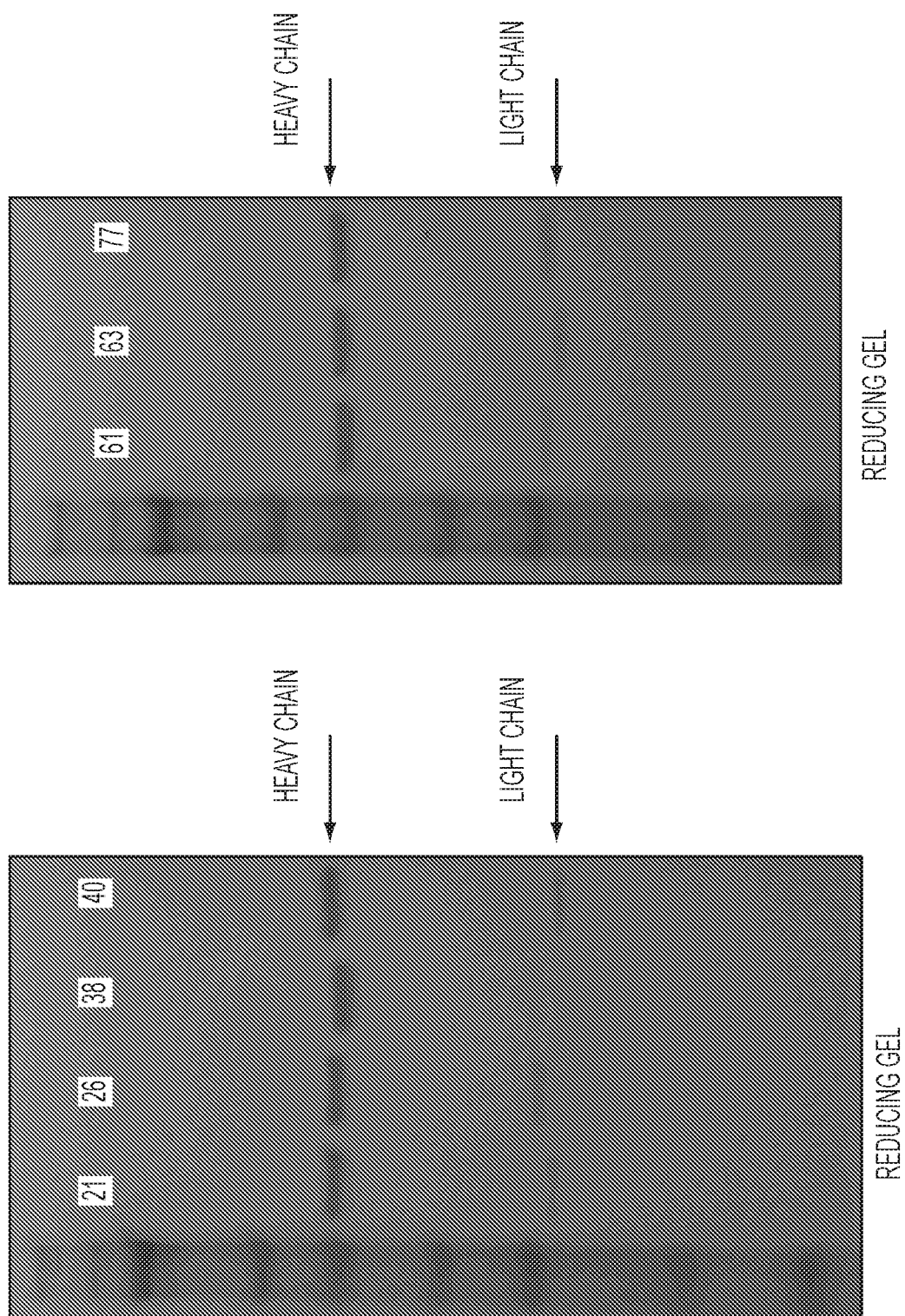


Figure 7

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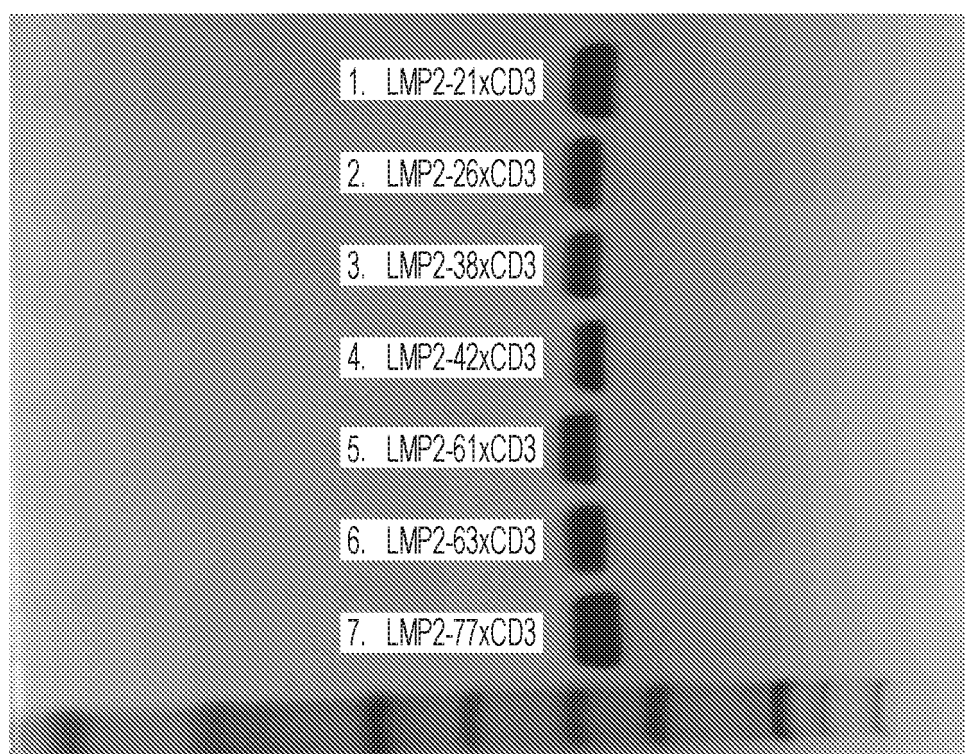


Figure 8

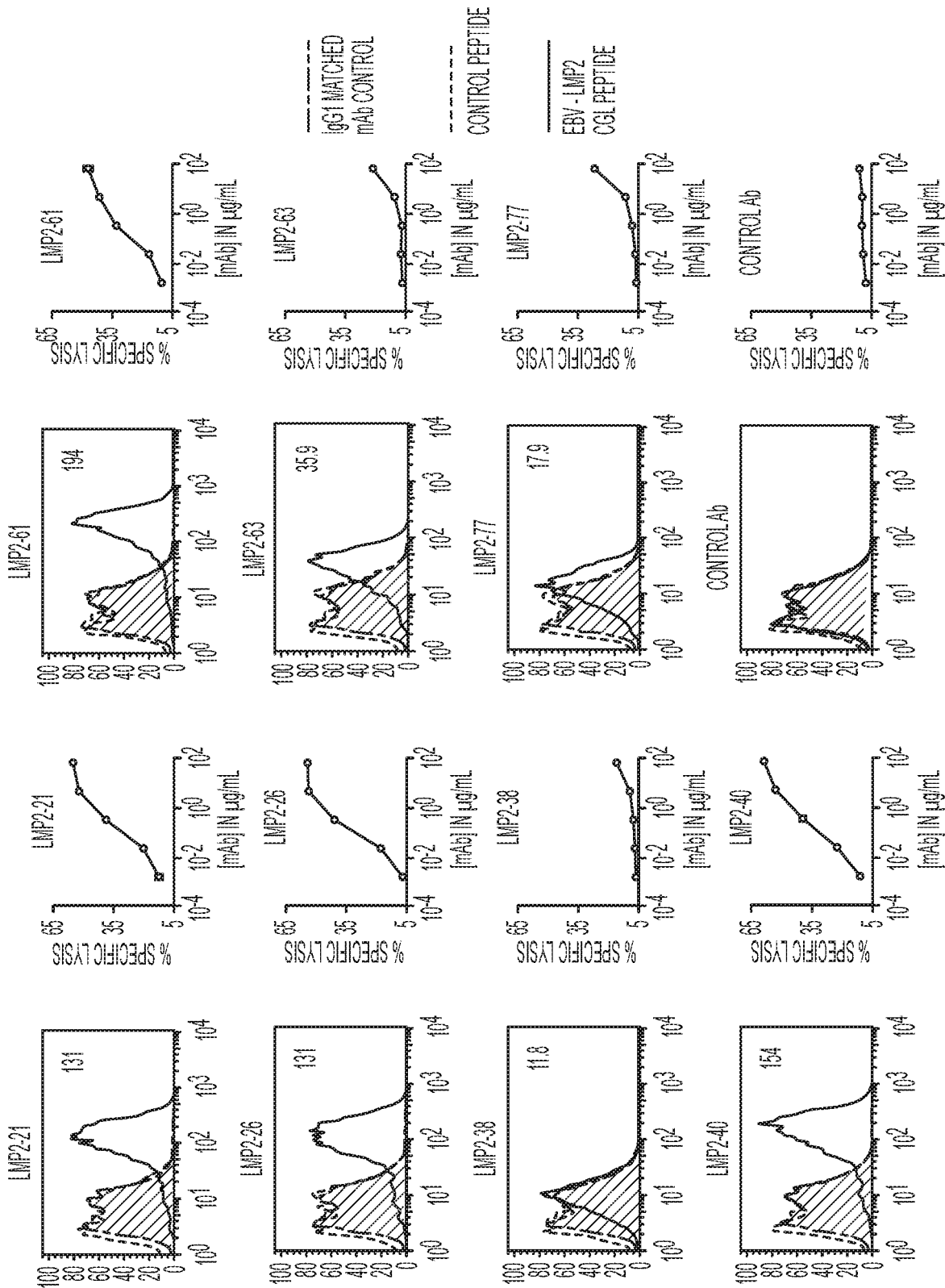


Figure 9

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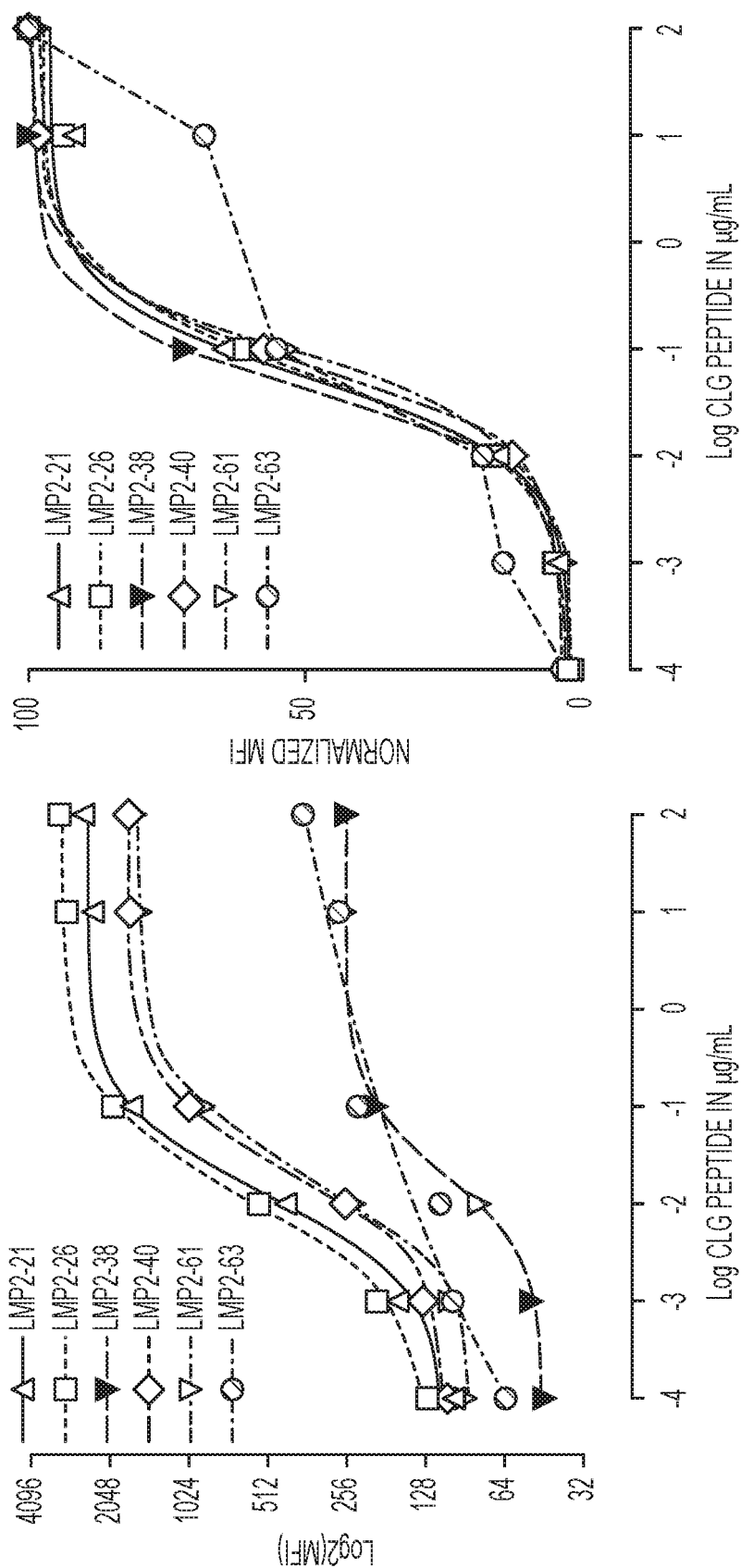


Figure 10

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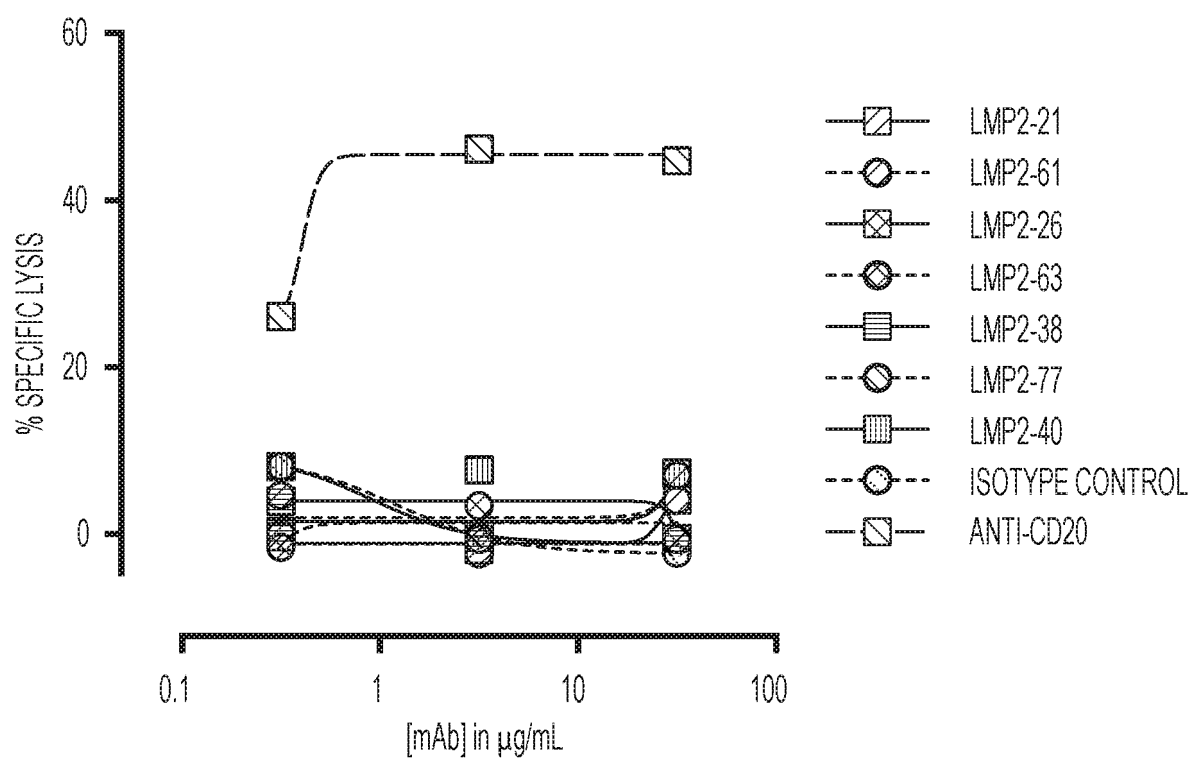


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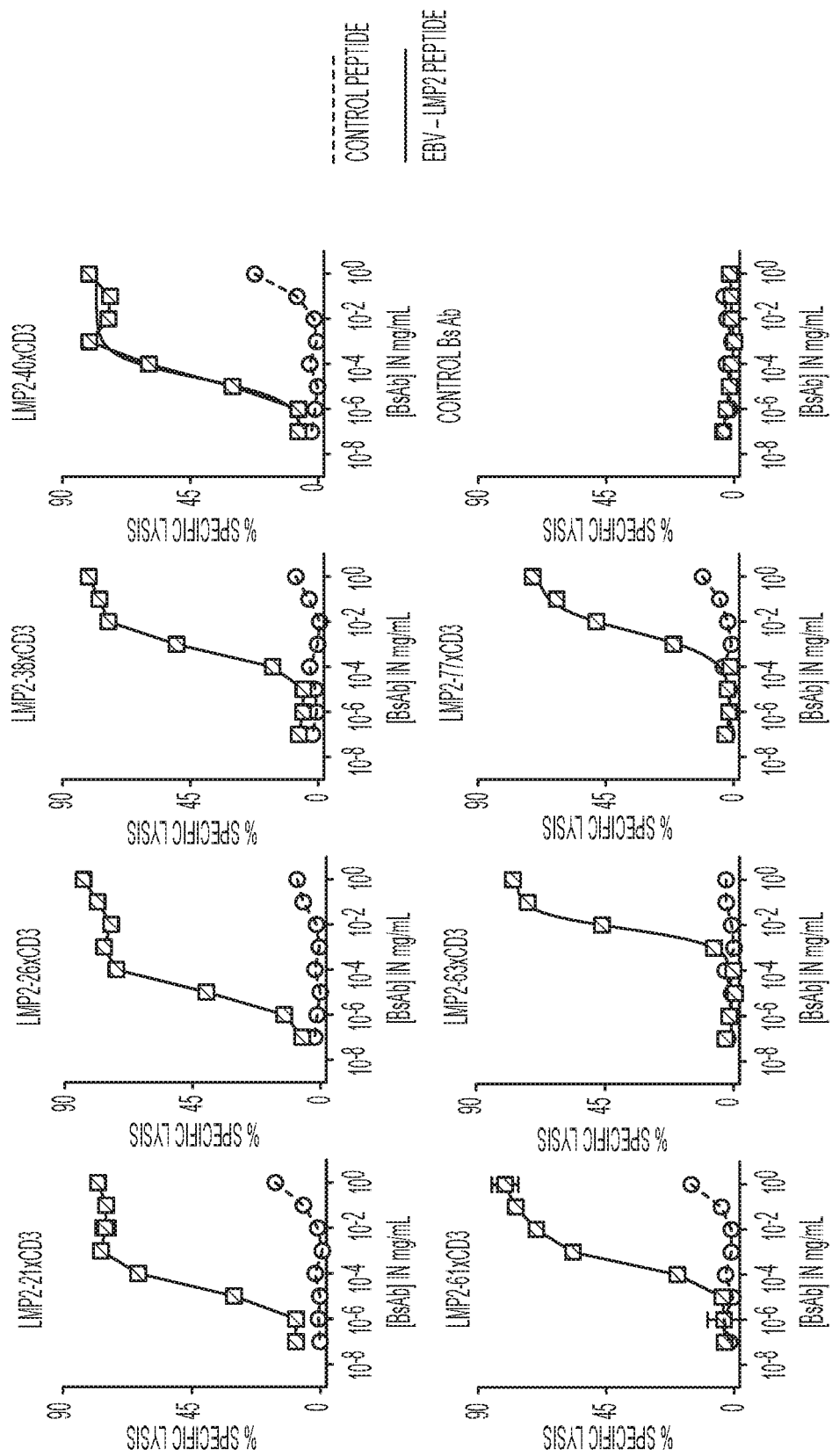


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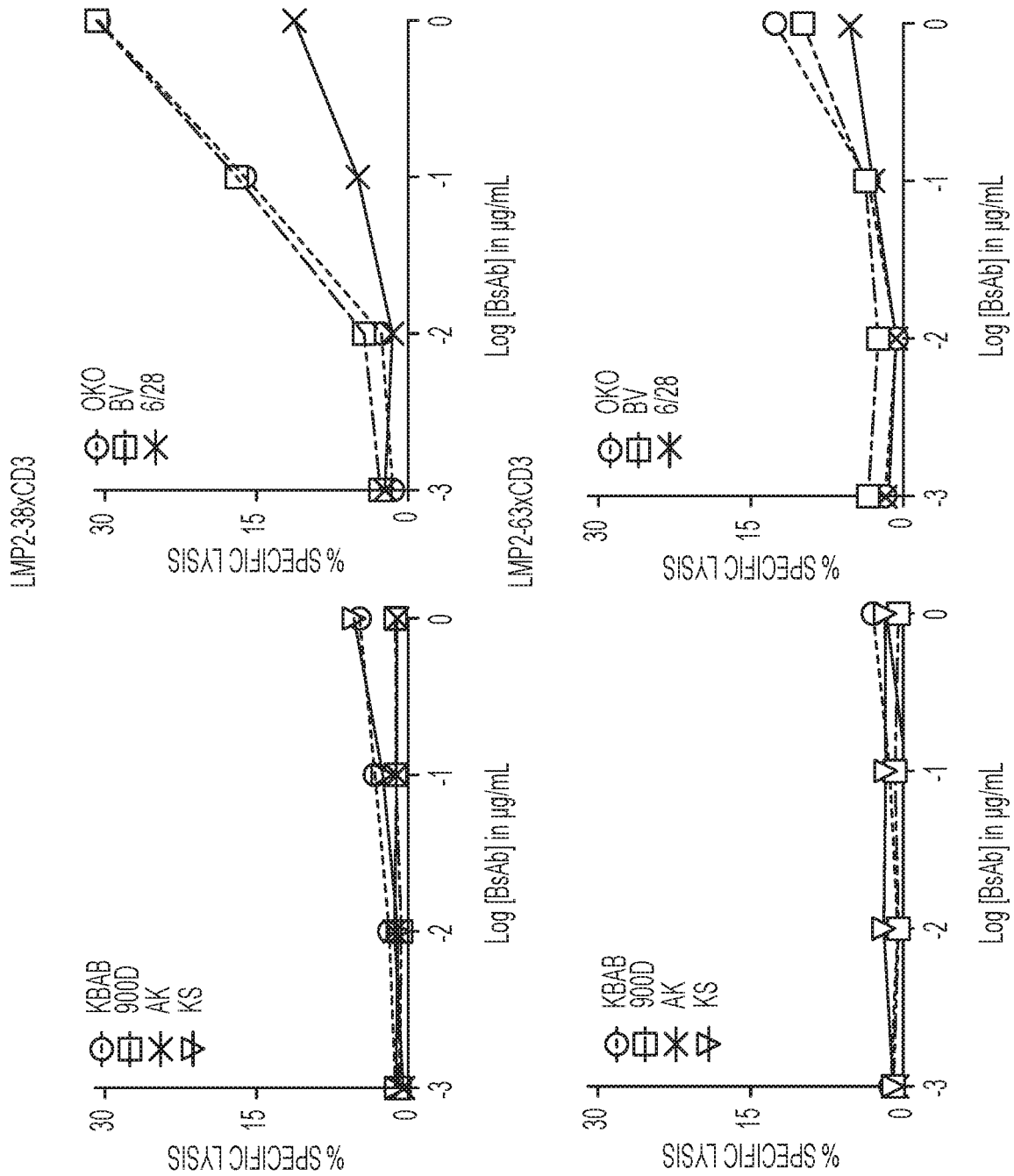


Figure 13A

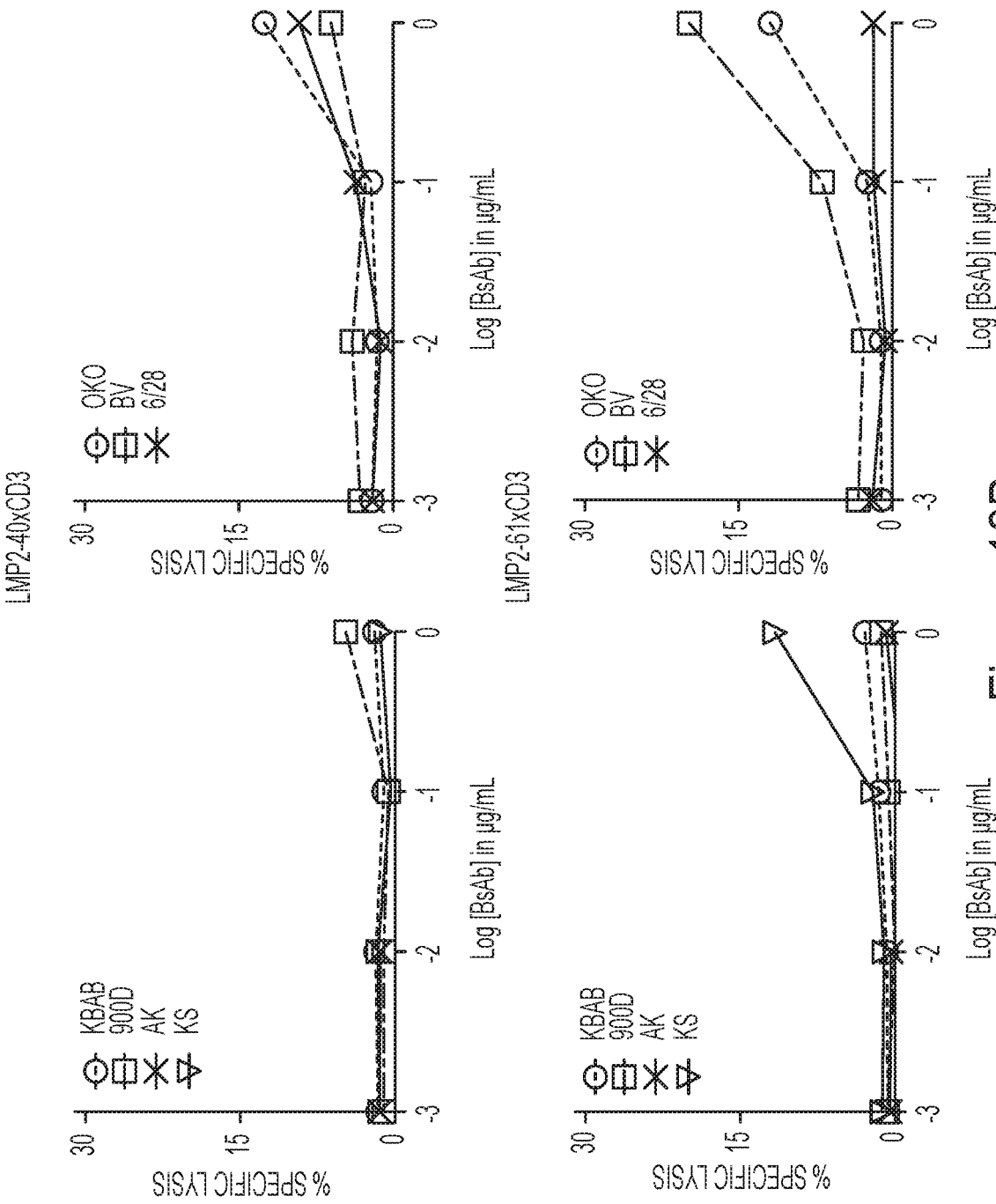


Figure 13B

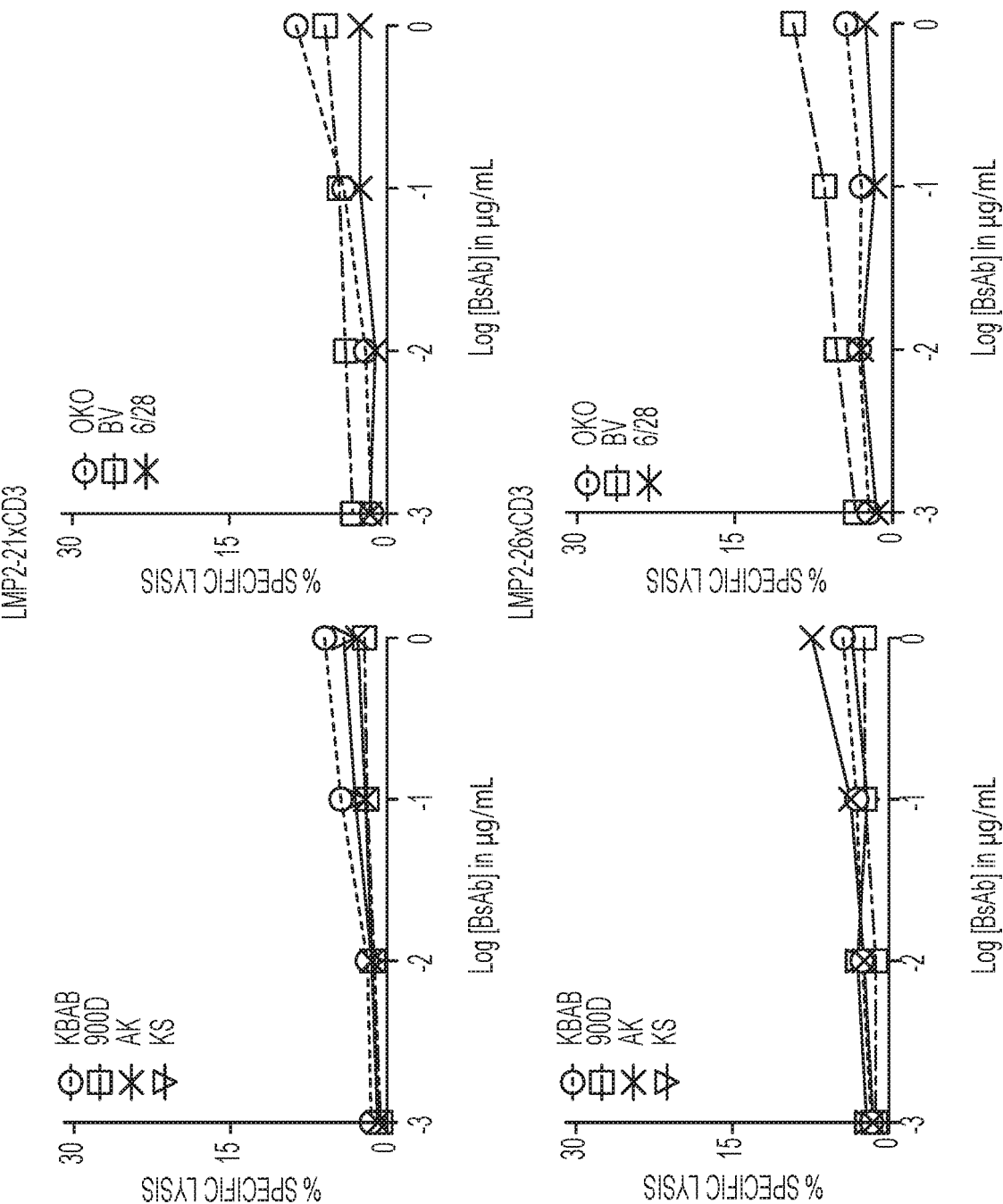


Figure 13C

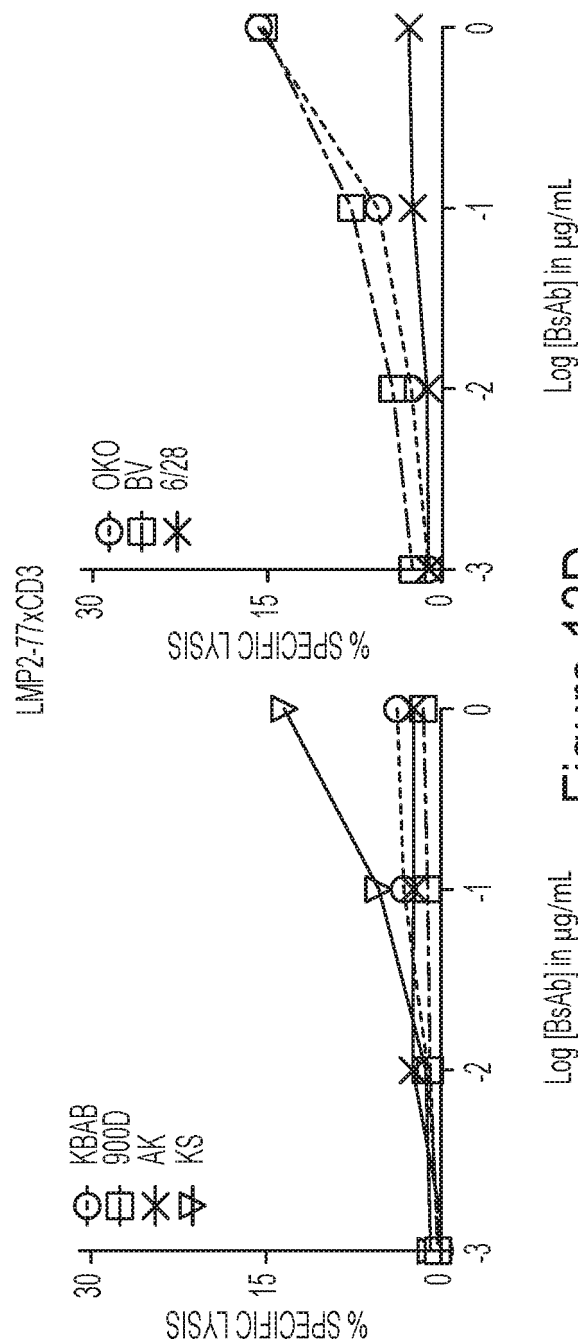


Figure 13D

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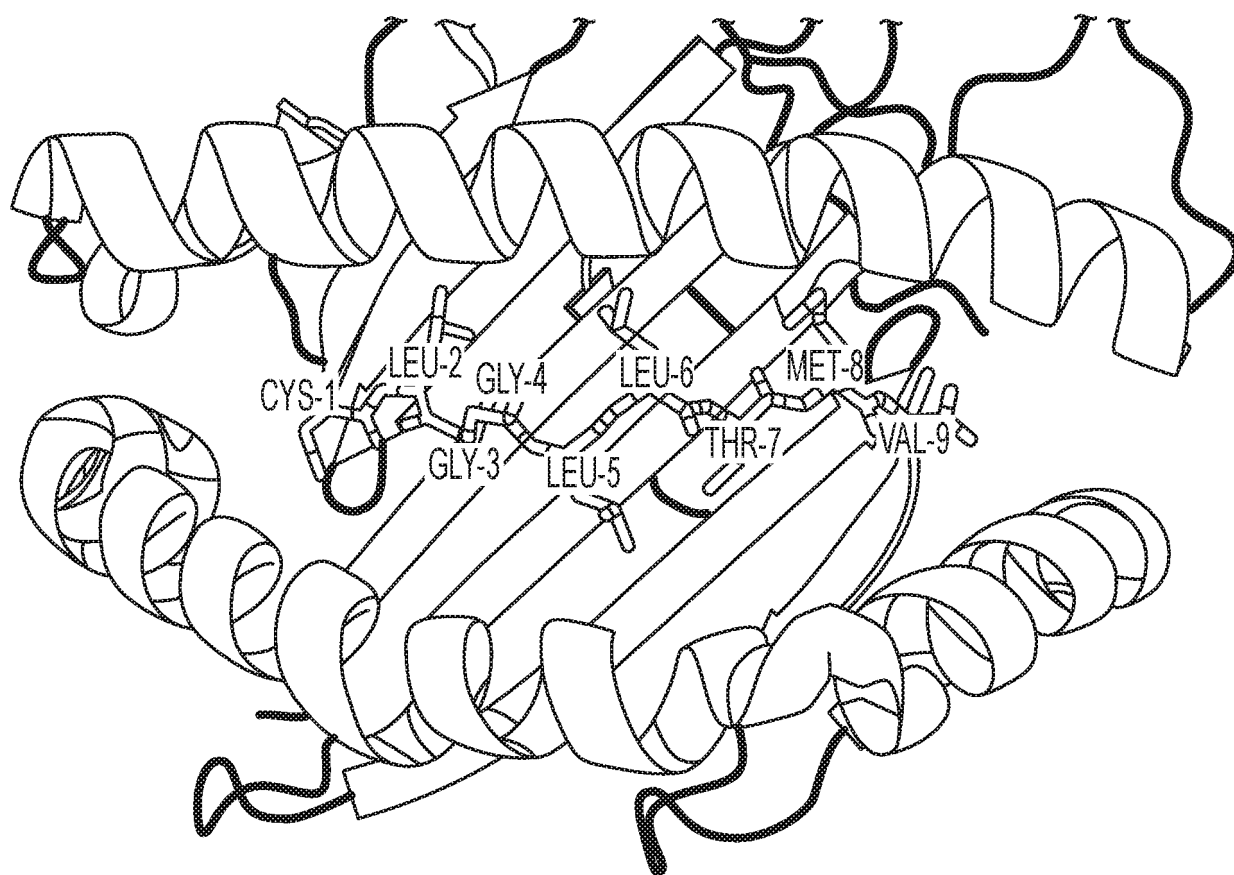


Figure 14

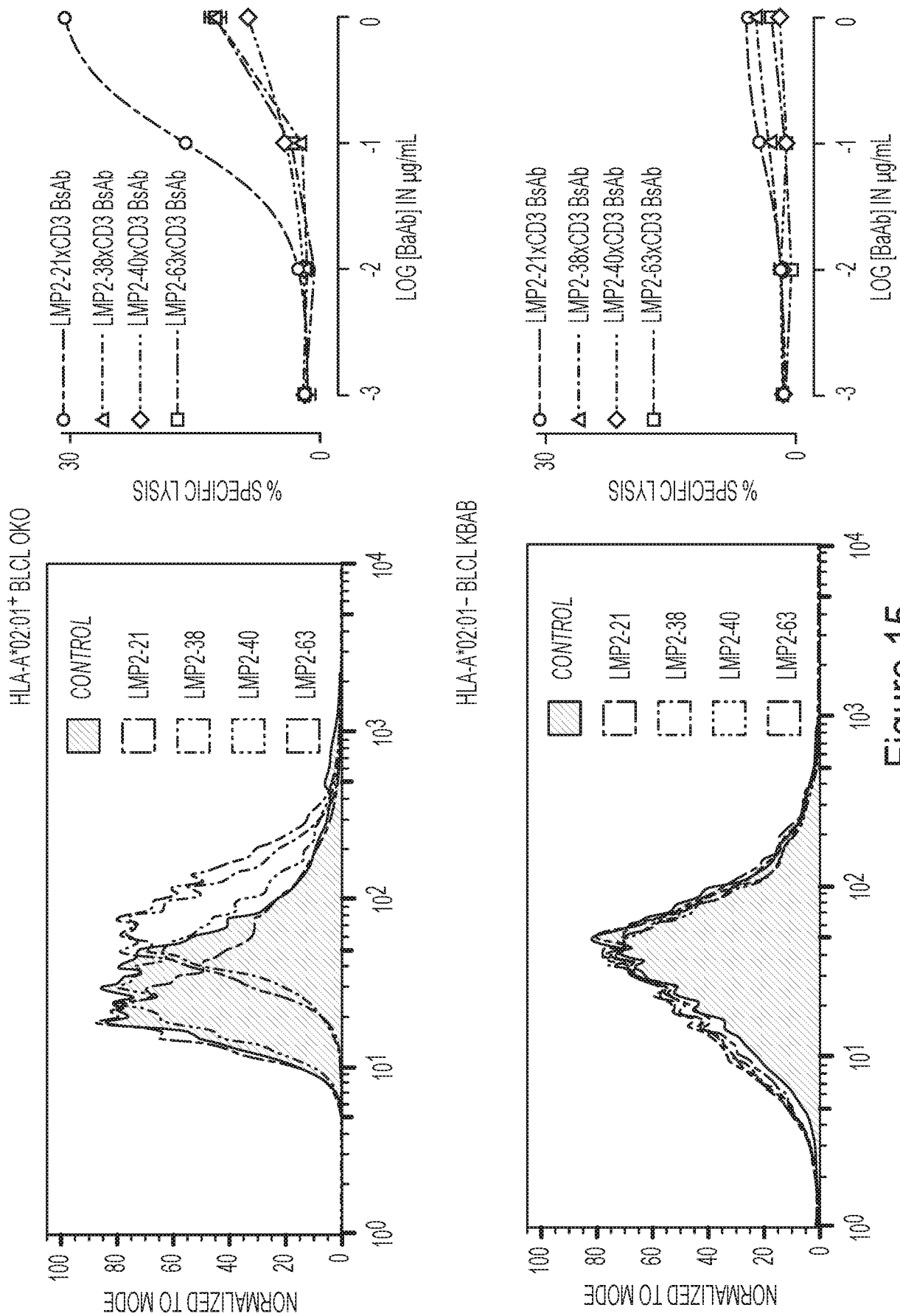


Figure 15

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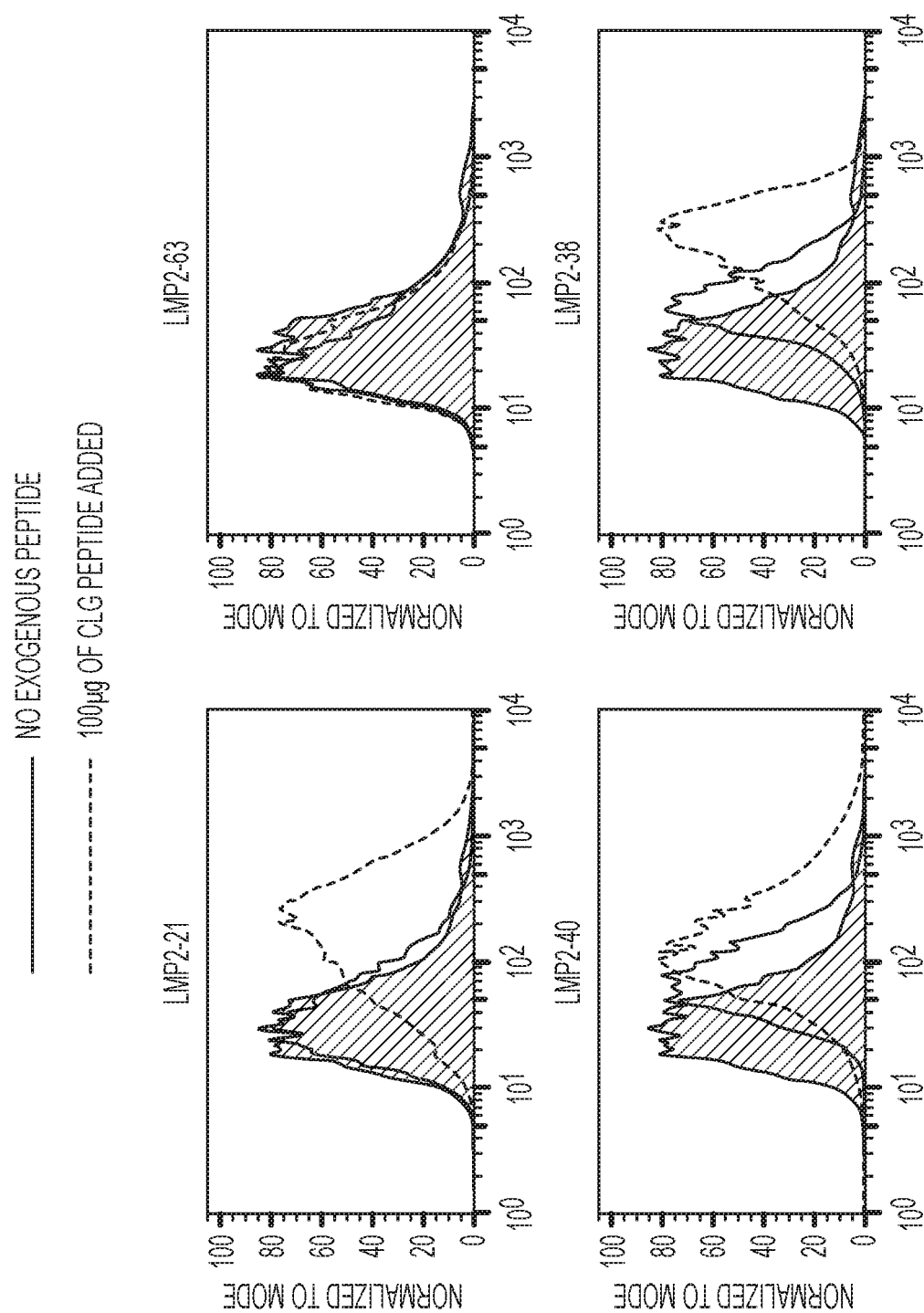


Figure 16

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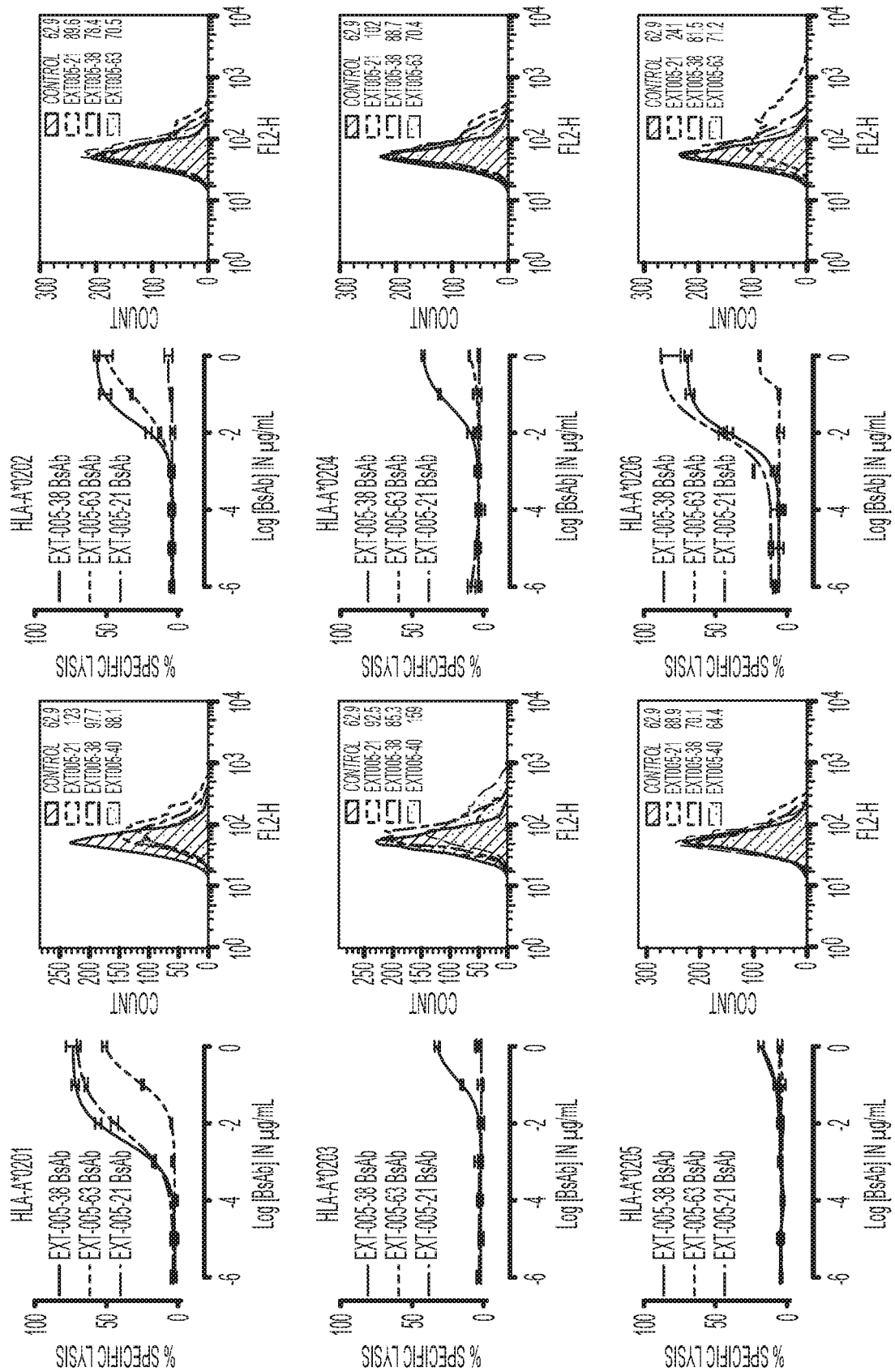


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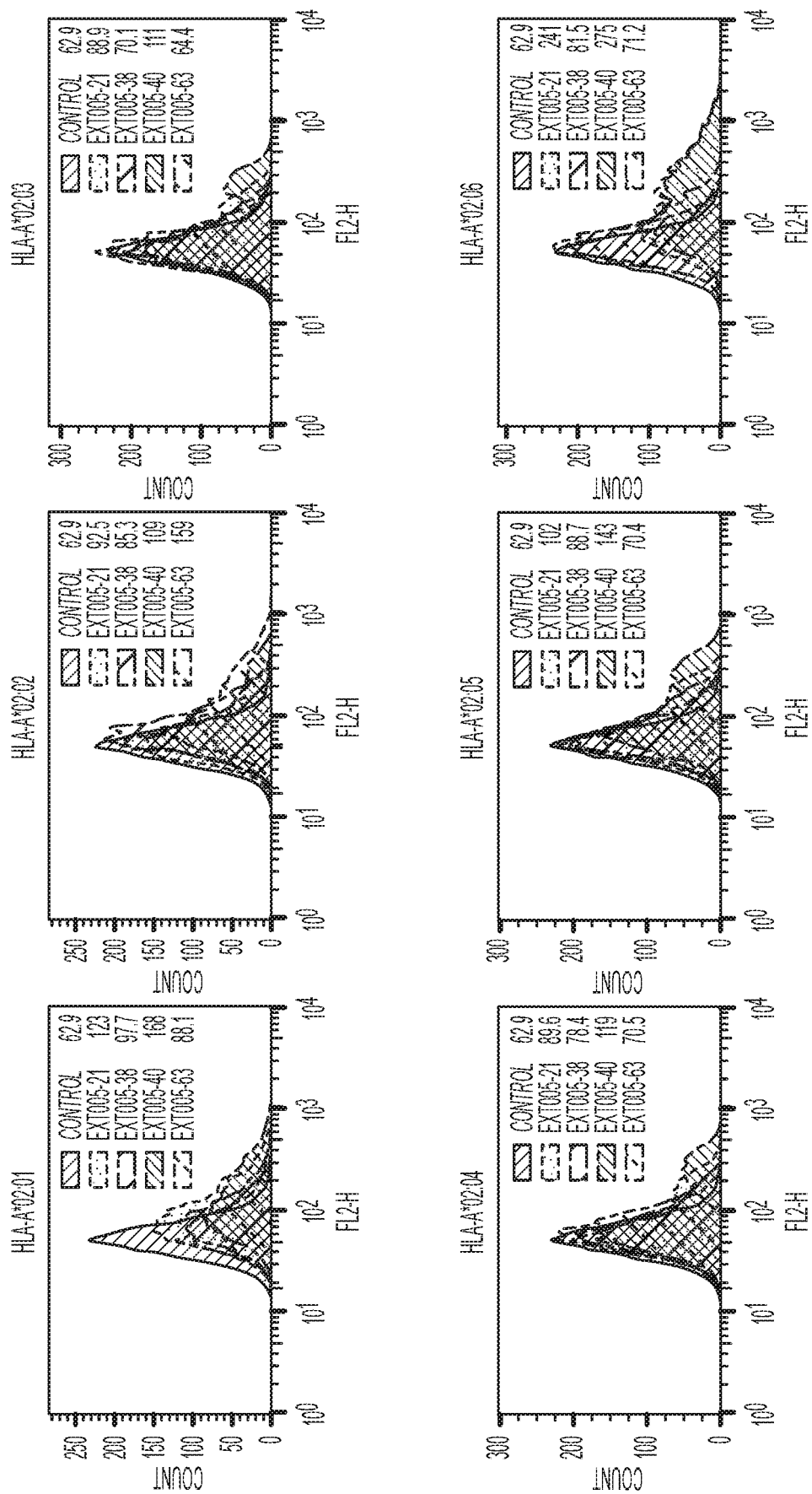
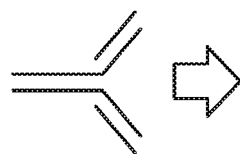
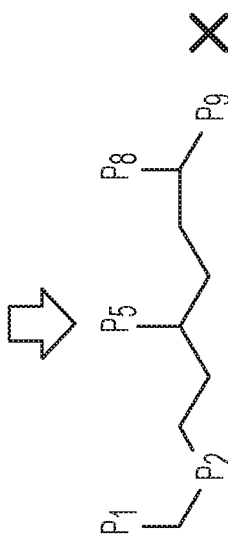
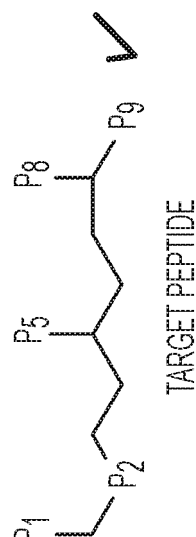


Figure 18

STRATEGY 1. SCREENING WITH ALA-SUBSTITUTED PEPTIDES AT POSITIONS P1, P5, AND P8

STEP 1. SELECTION OF ANTIBODIES THAT BIND THE
TARGET-PEPTIDE/MHC COMPLEX OF INTEREST, BUT DO
NOT BIND TO IRRELEVANT-PEPTIDE/MHC COMPLEX



STEP 2. SPECIFICITY SCREEN USING ALA-SUBSTITUTED PEPTIDES
AT POSITIONS P1, P5 OR P8 TO DETERMINE TYPE I OR TYPE II
SPECIFICITY

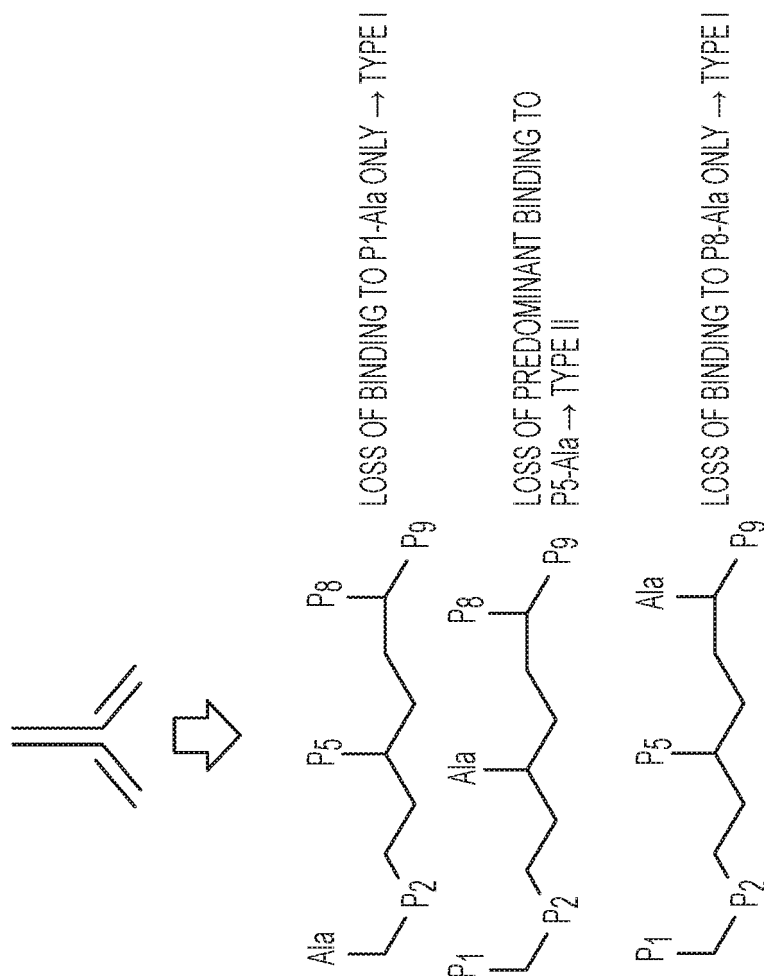


Figure 19

STRATEGY 2. NEGATIVE SELECTION USING ALA-SUBSTITUTED PEPTIDES AT P5 WITH EXTRA NATIVE RESIDUES AT N- OR C-TERMINUS OF PEPTIDE

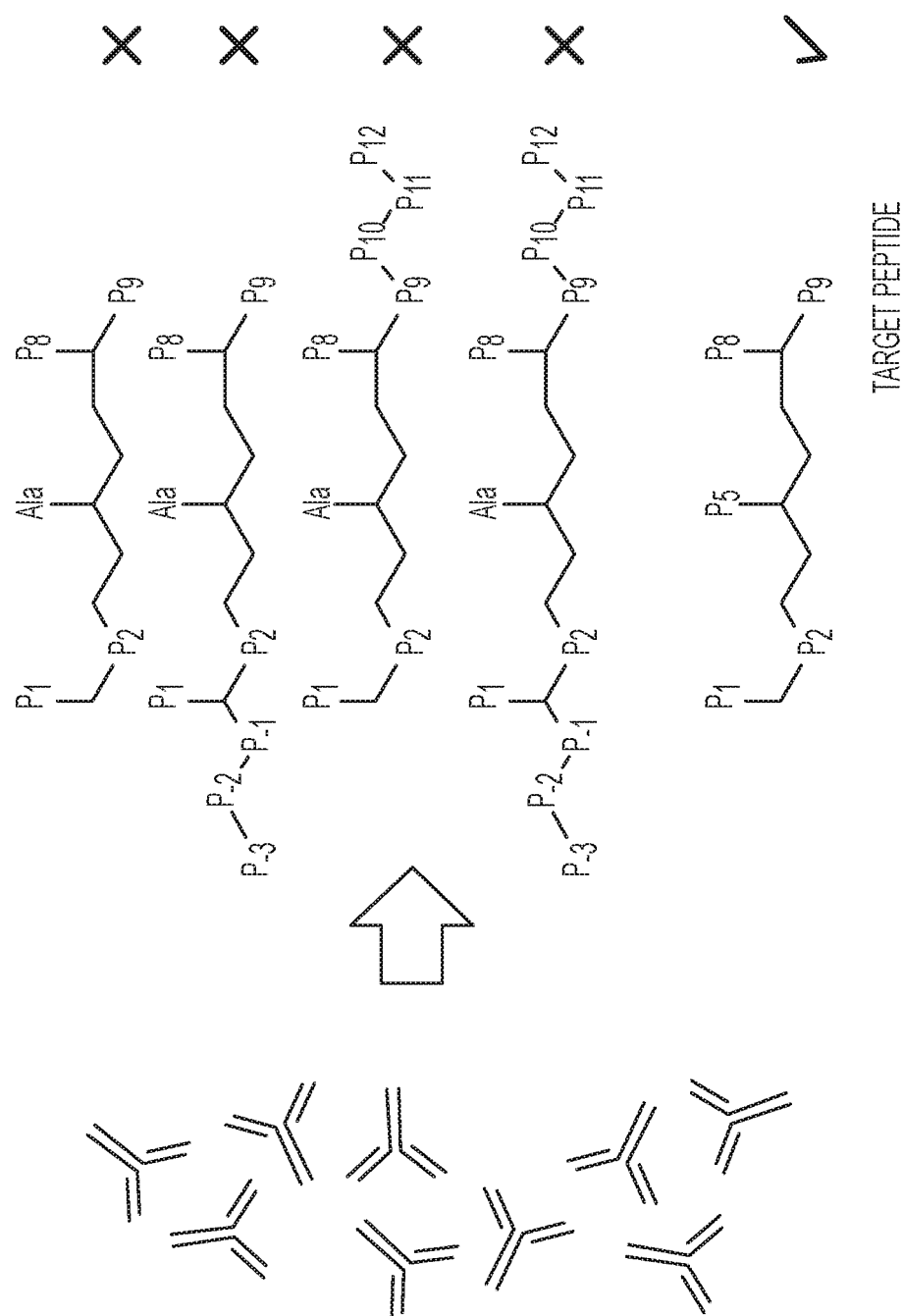
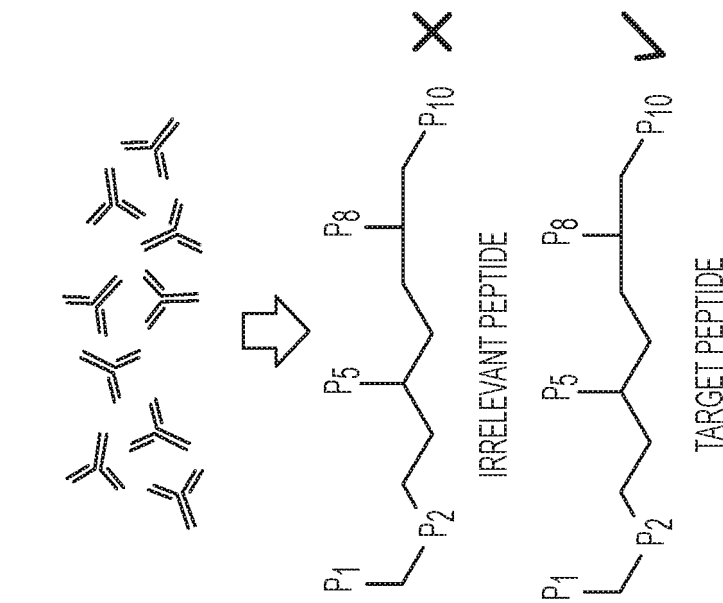


Figure 20

STRATEGY 3. SCREENING WITH ALA-SUBSTITUTED PEPTIDES AT POSITIONS P1, P5, AND P8 OF DECAMER

STEP 1. SELECTION OF ANTIBODIES THAT BIND THE TARGET-PEPTIDE/MHC COMPLEX OF INTEREST, BUT DO NOT BIND TO IRRELEVANT-PEPTIDE/MHC COMPLEX



STEP 2. SPECIFICITY SCREEN USING ALA-SUBSTITUTED PEPTIDES AT POSITIONS P1, P5 OR P8 TO DETERMINE TYPE I OR TYPE II SPECIFICITY

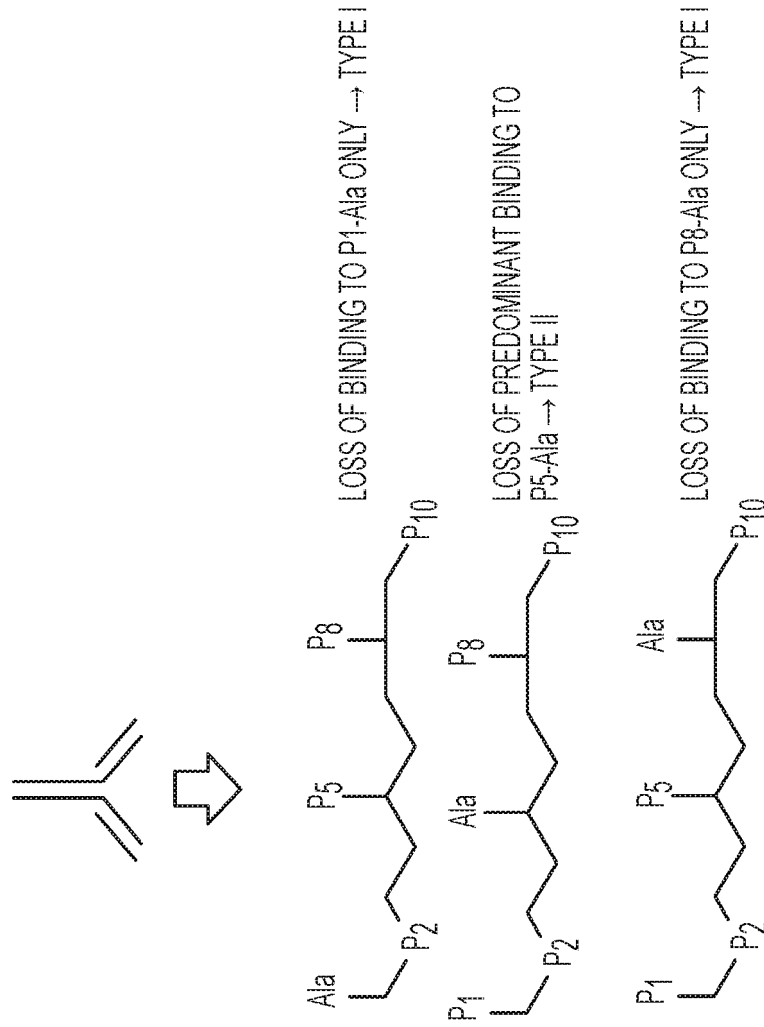


Figure 21

STRATEGY 4. NEGATIVE SELECTION USING ALA-SUBSTITUTED PEPTIDES AT P5 WITH EXTRA NATIVE RESIDUES AT N- OR C-TERMINUS OF PEPTIDE DECAMER

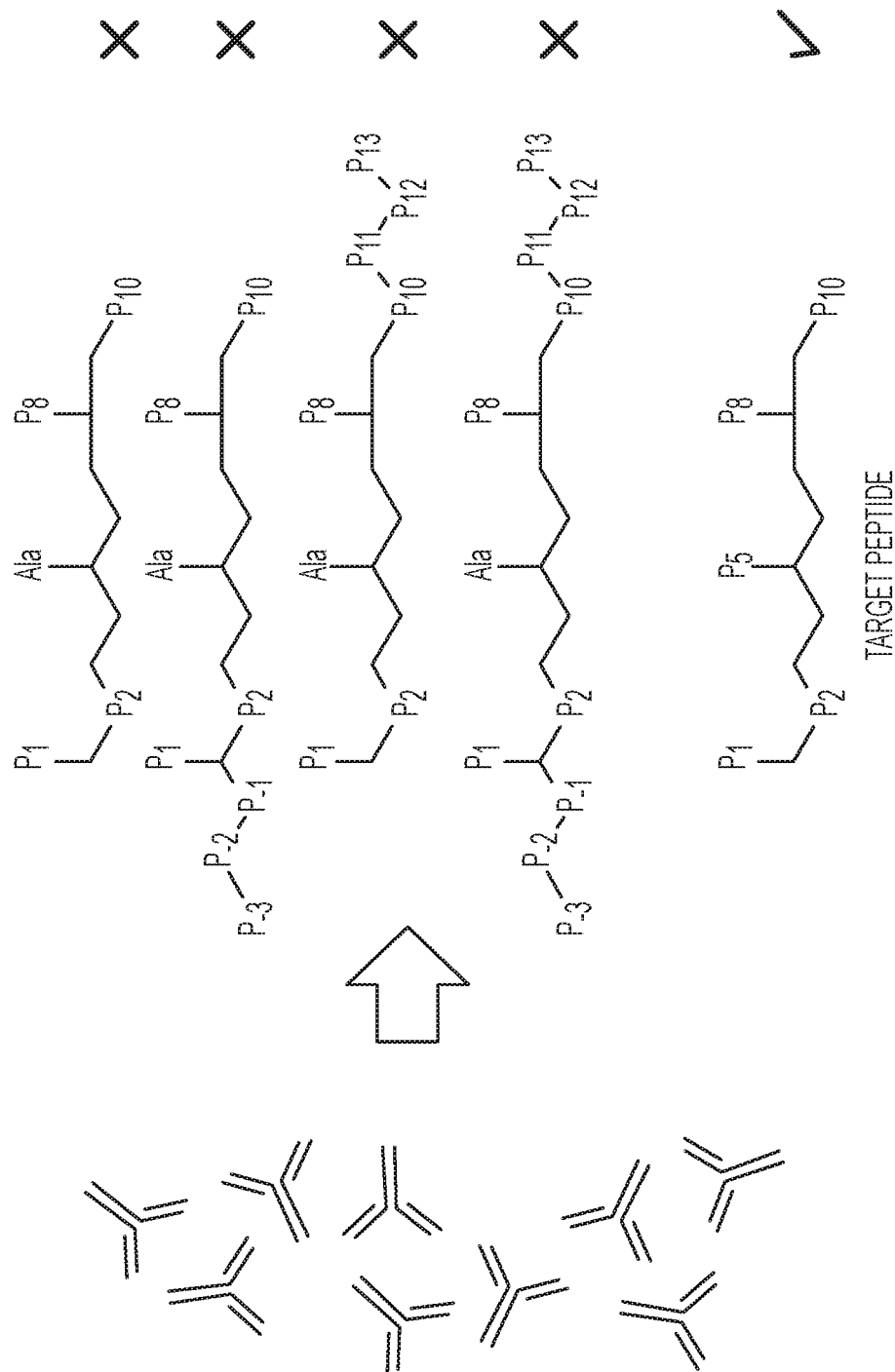
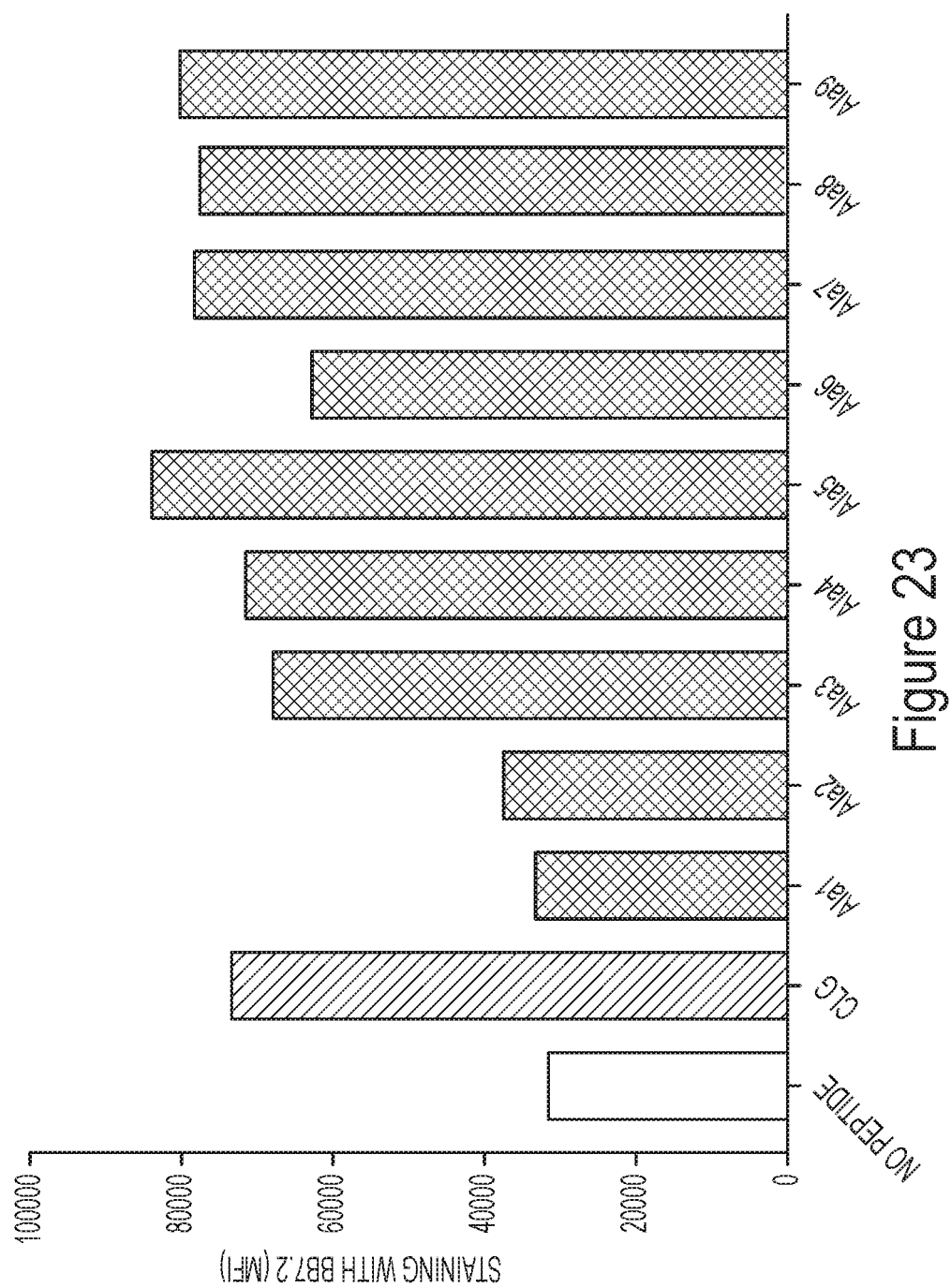


Figure 22

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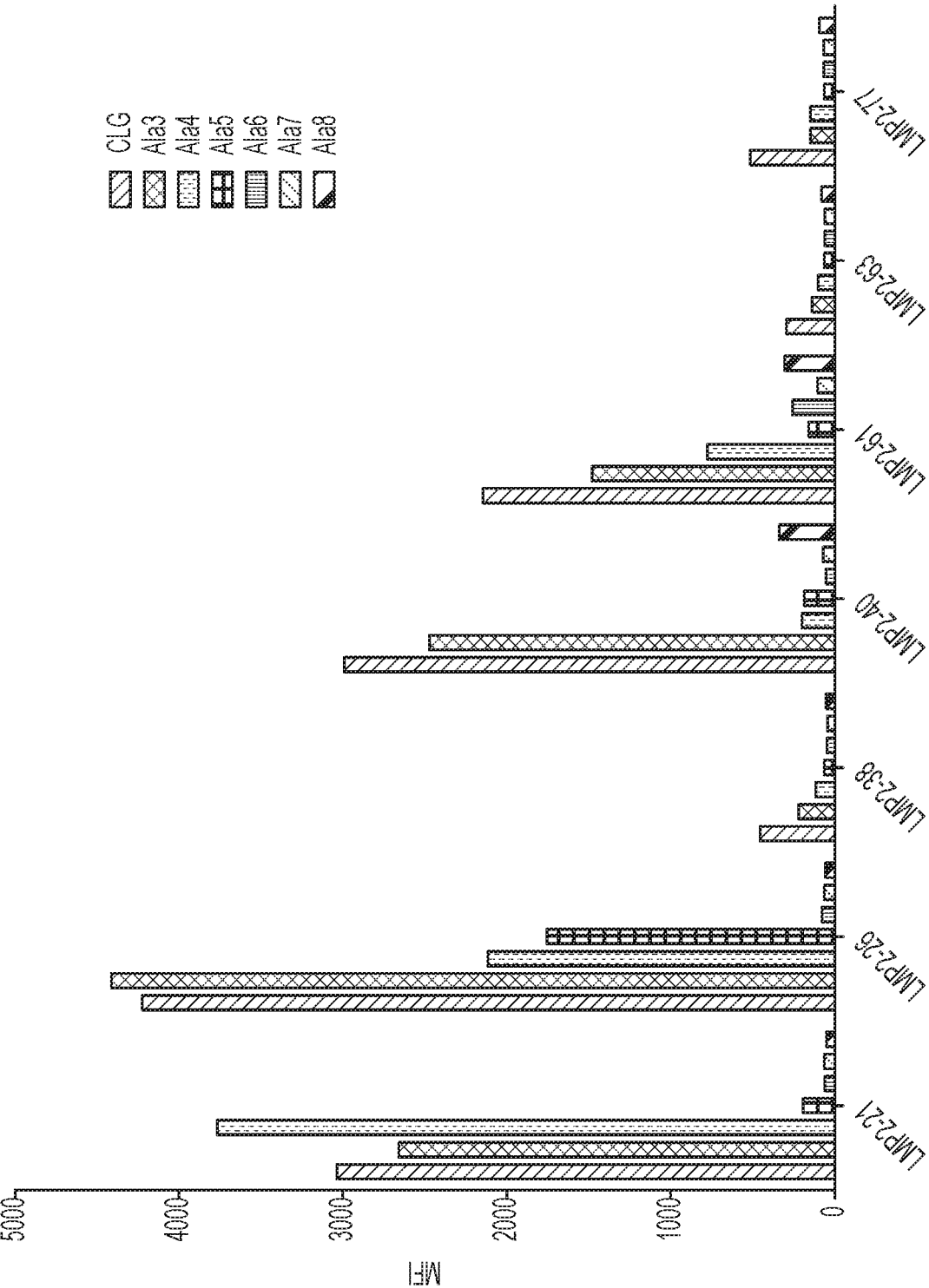


Figure 24A

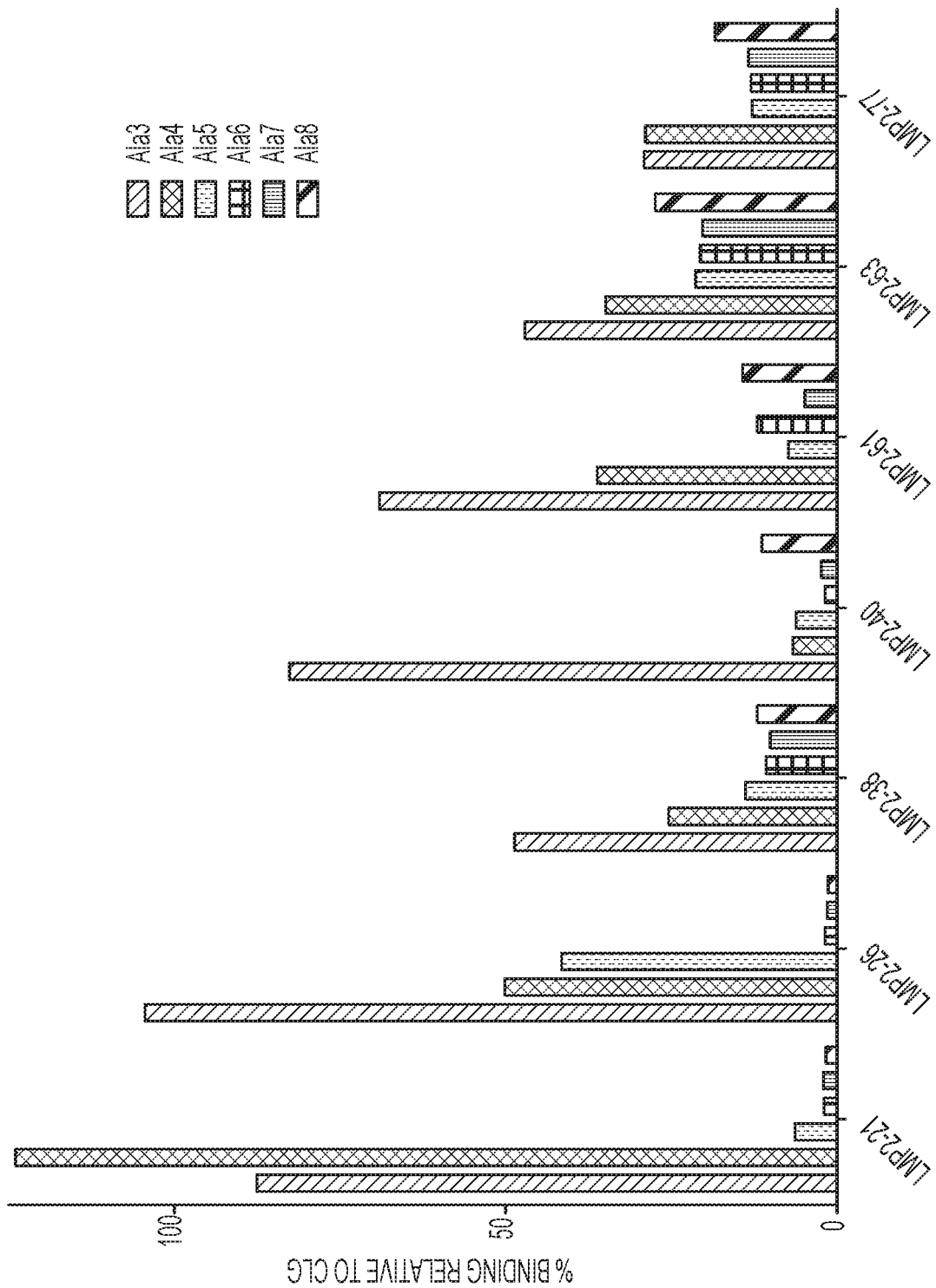


Figure 24B

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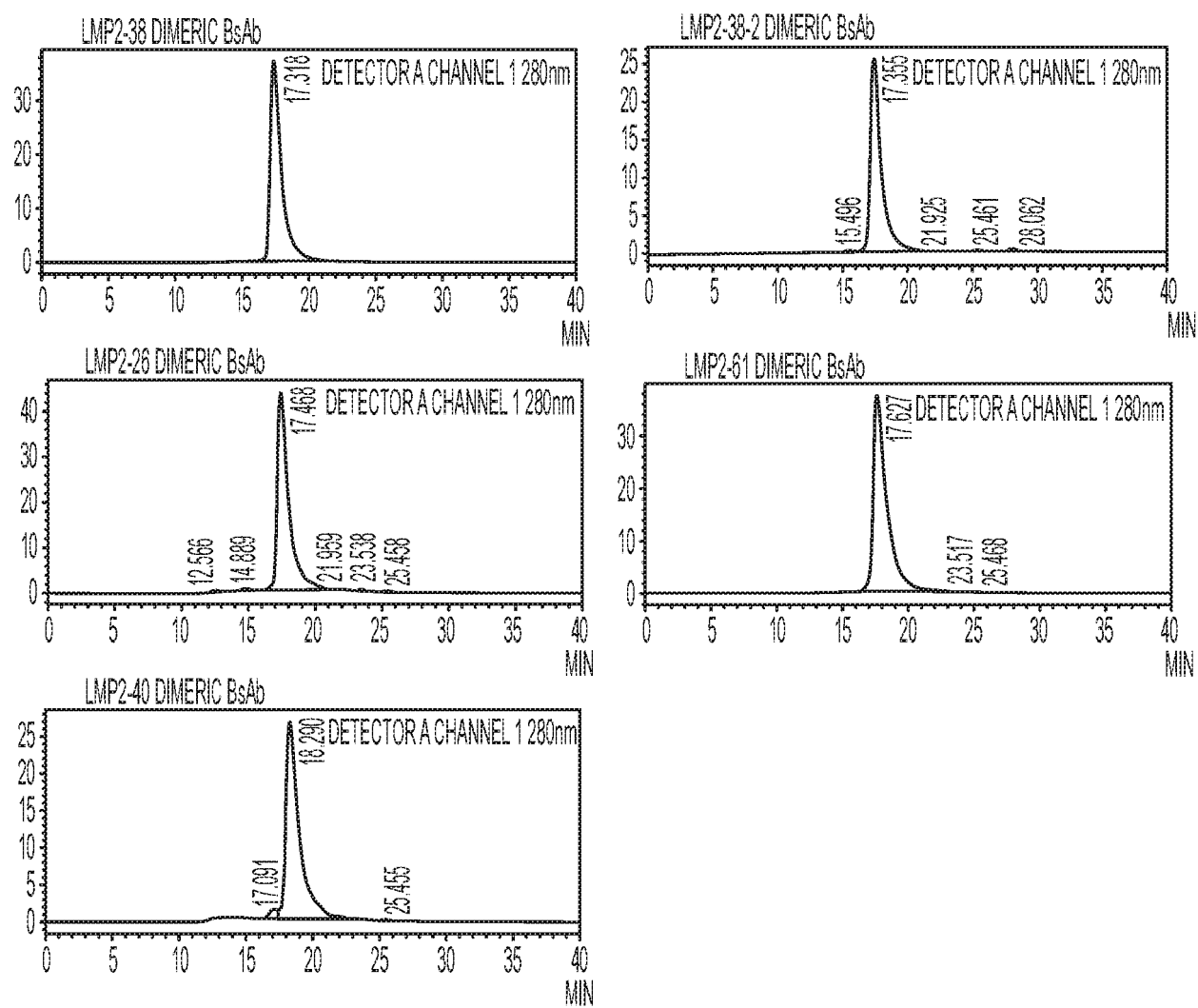


Figure 25

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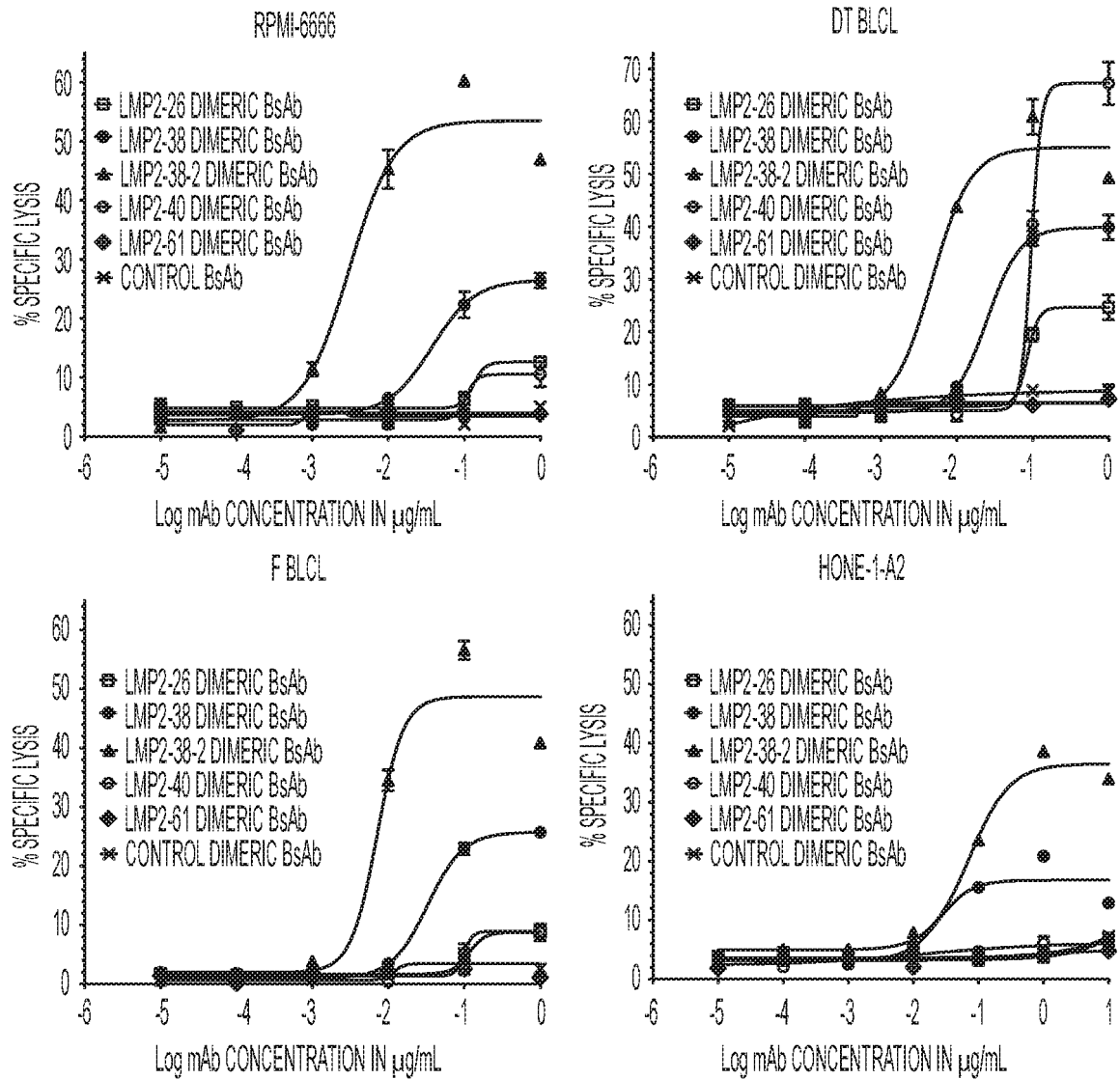


Figure 26

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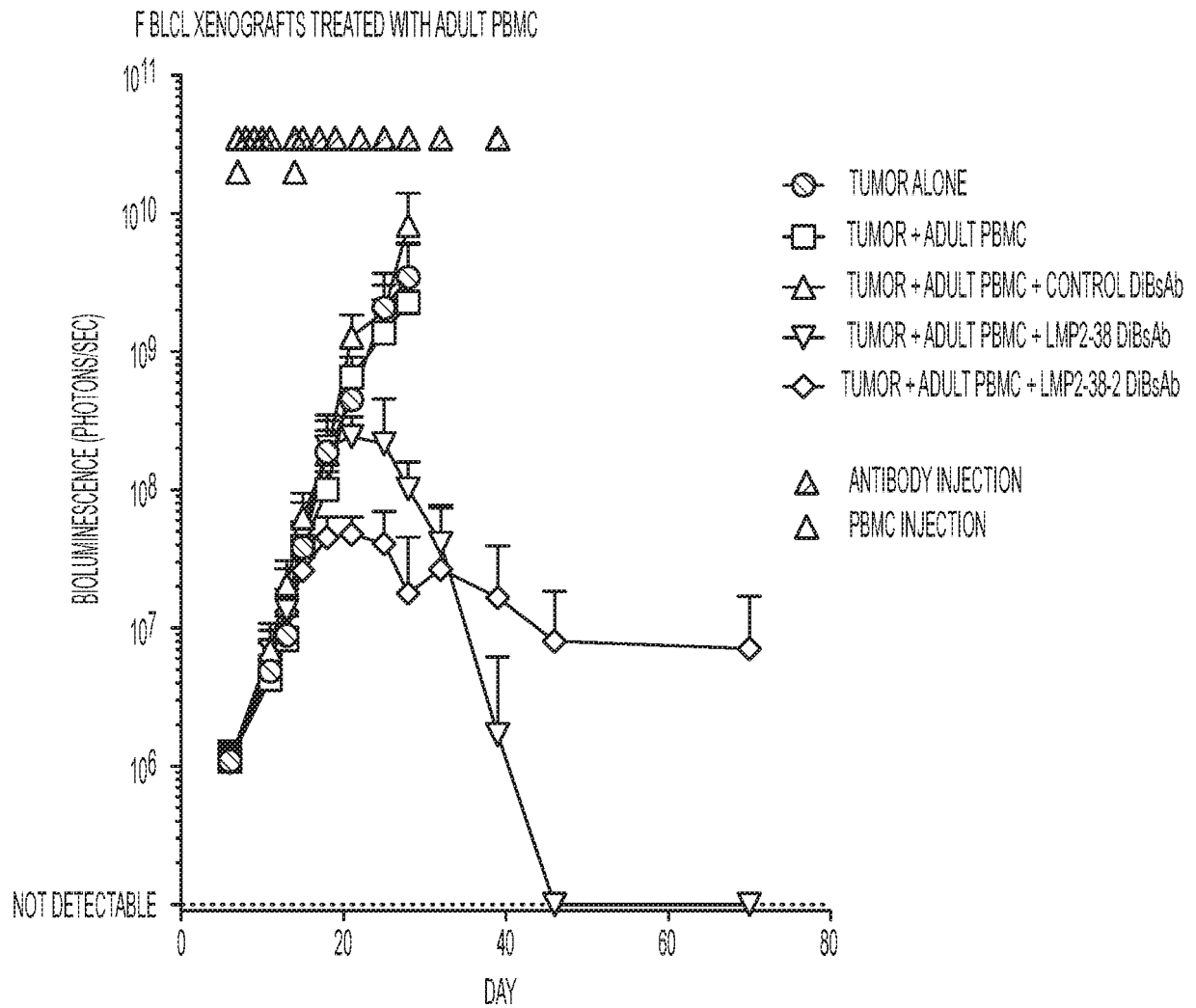


Figure 27

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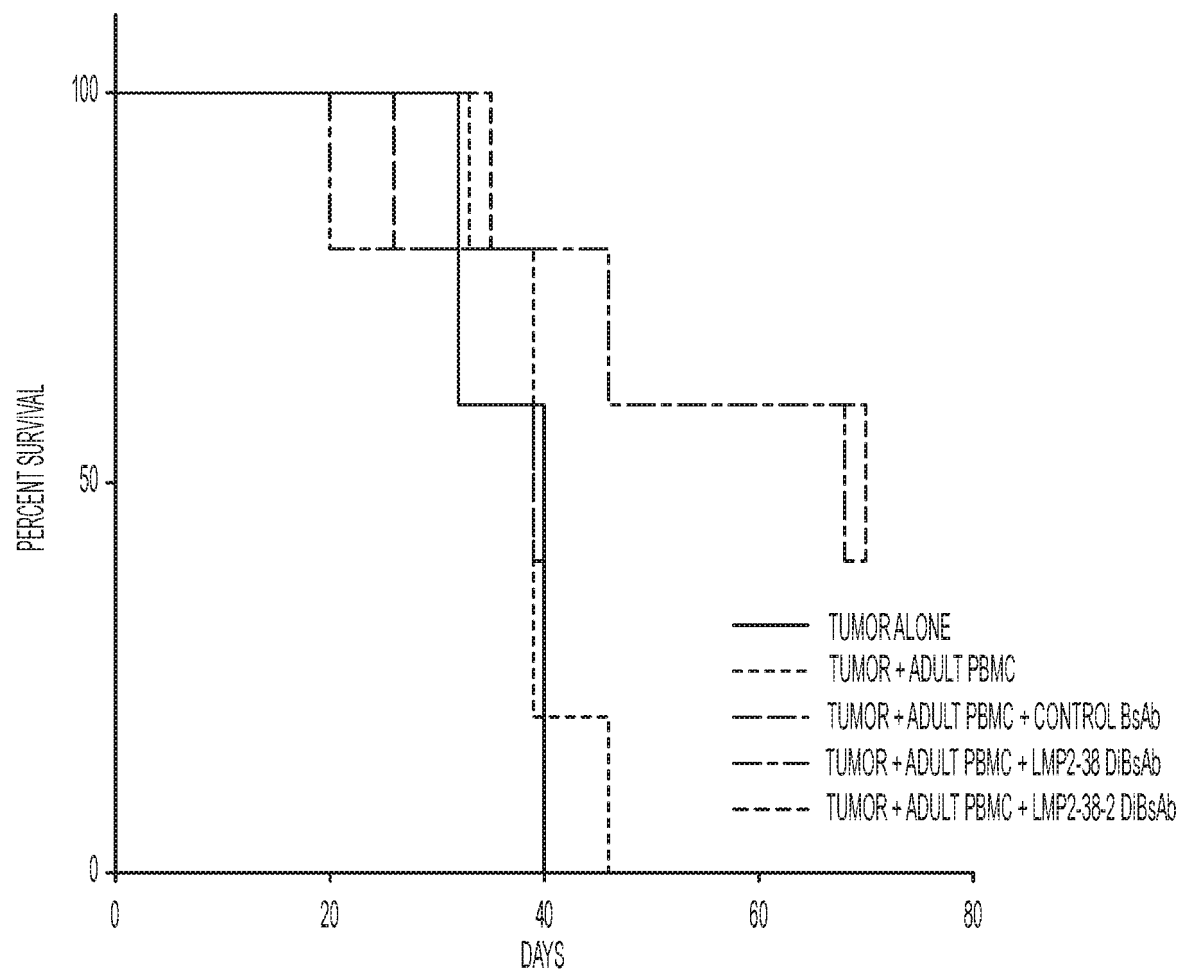


Figure 28

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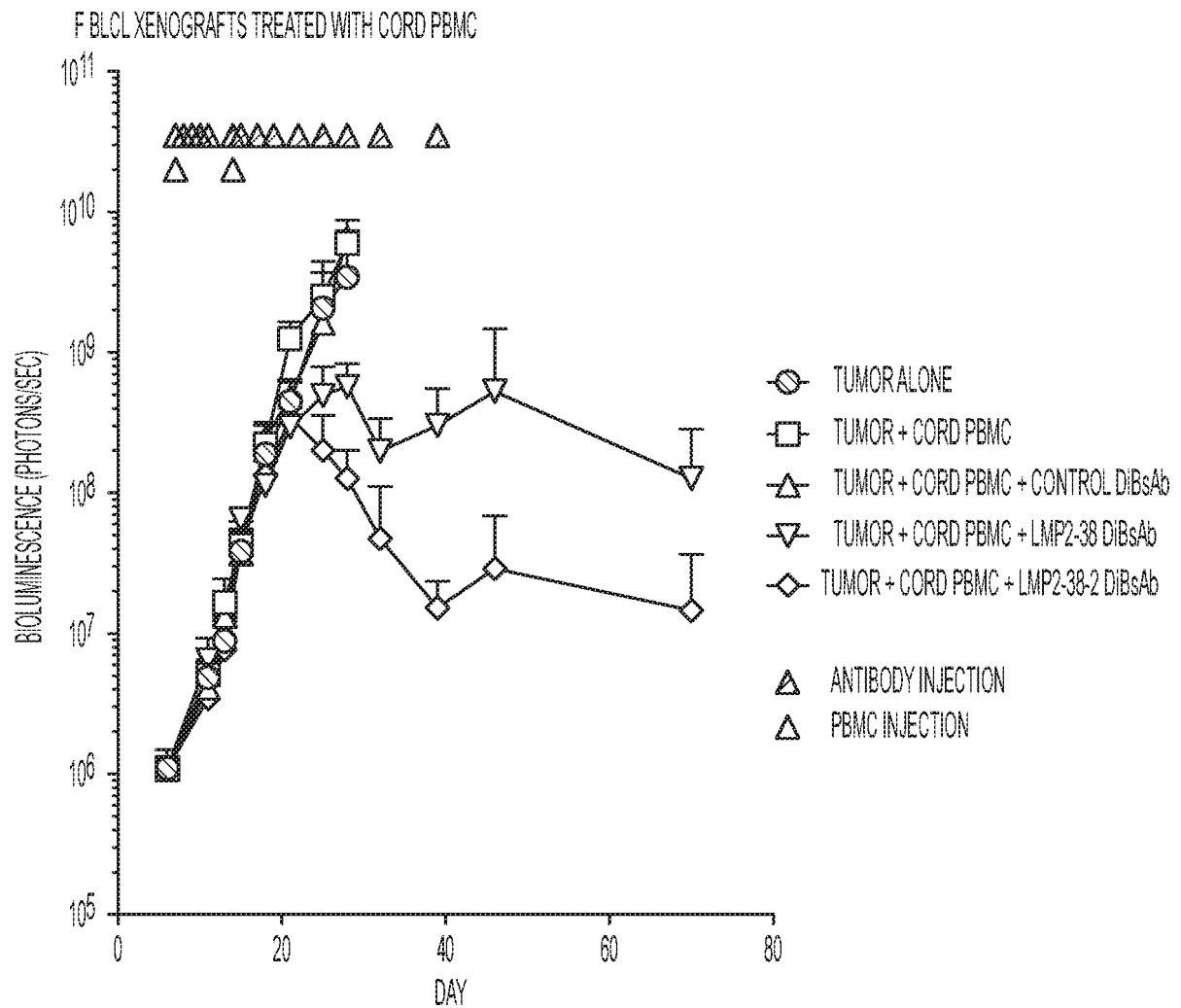


Figure 29

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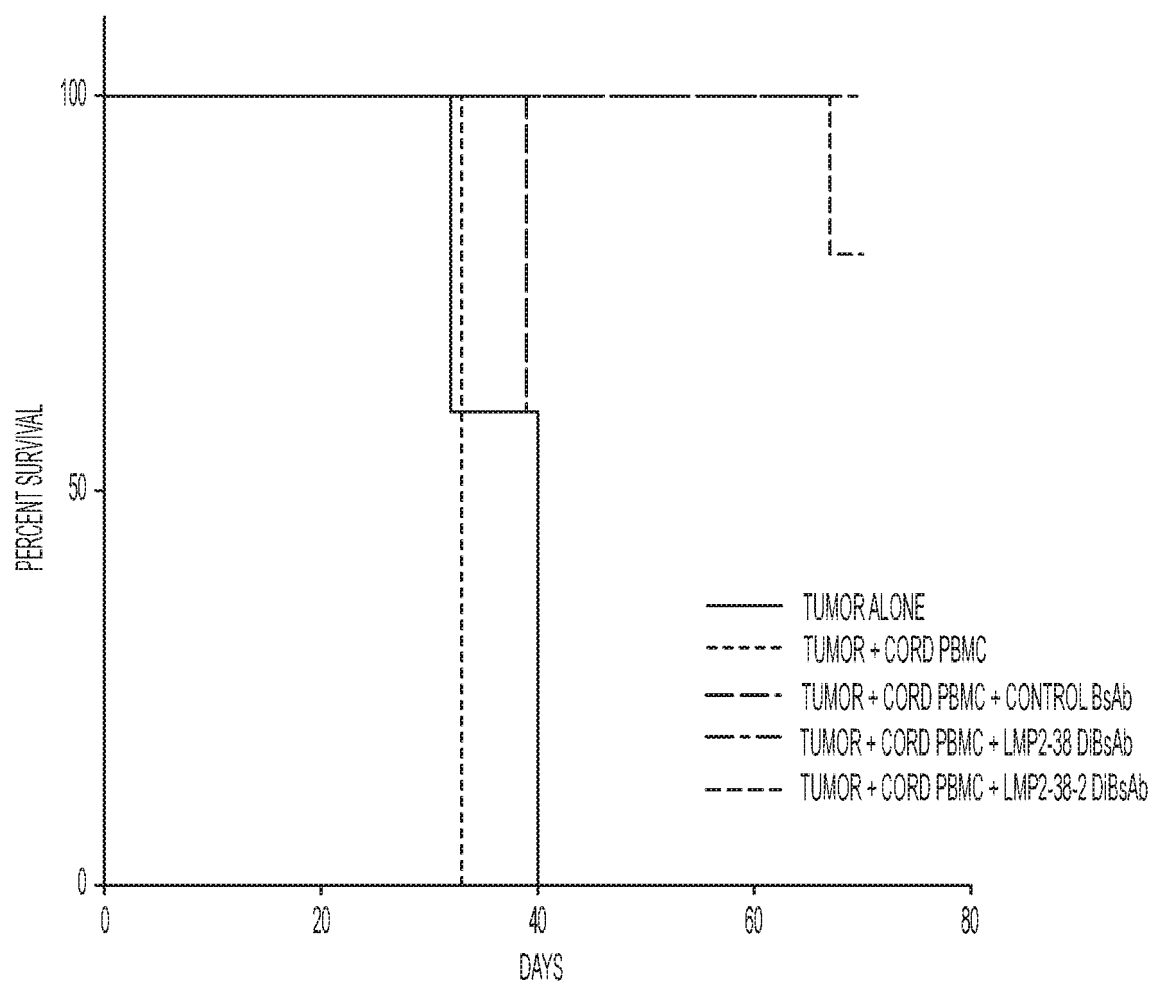


Figure 30