

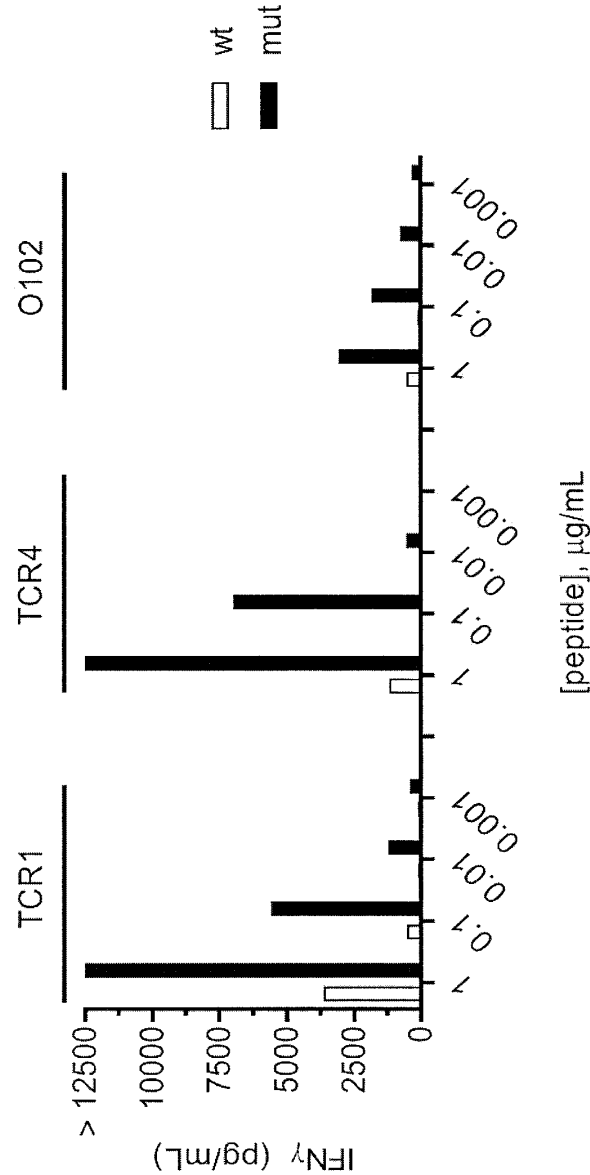


FIG. 1

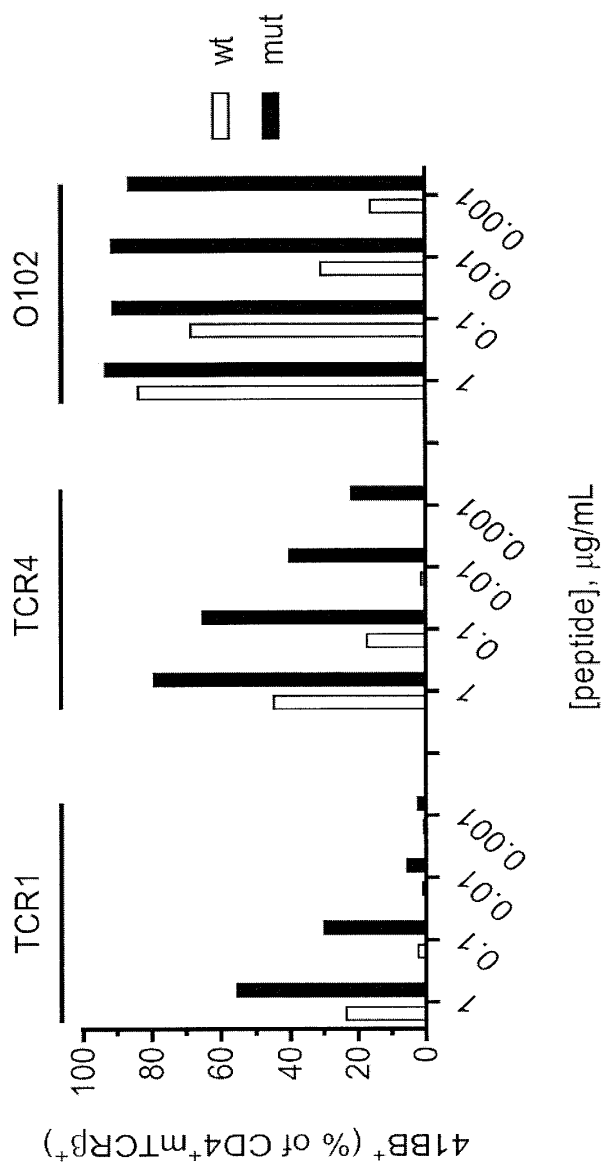
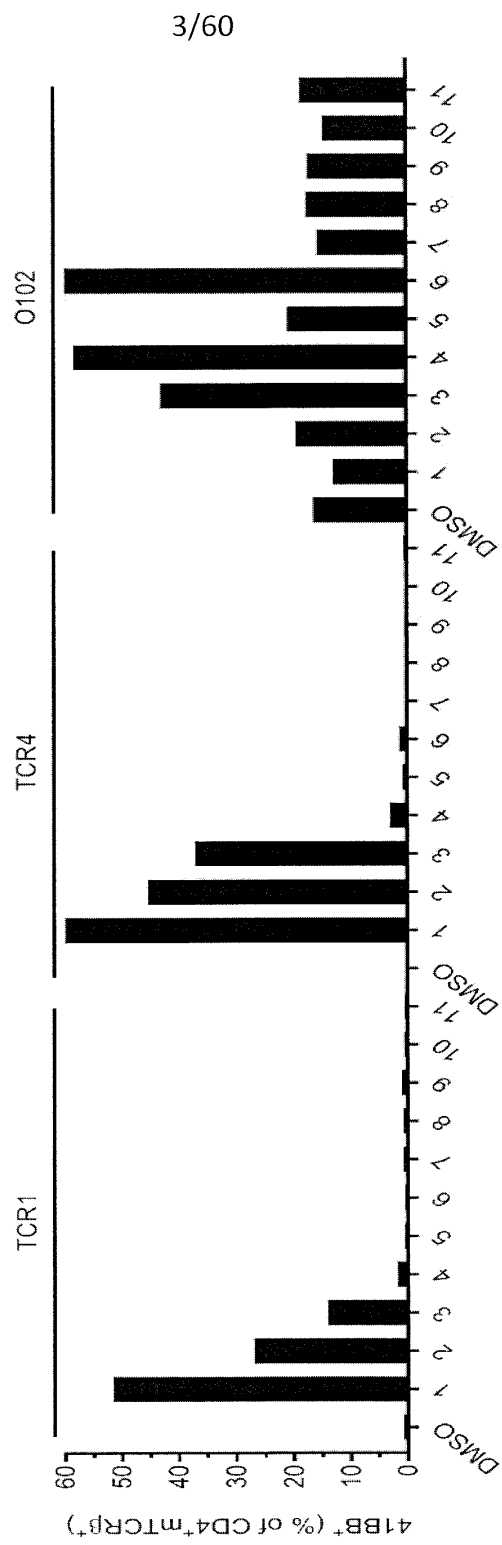


FIG. 2



TP53-G245S 15mer peptide

FIG. 3

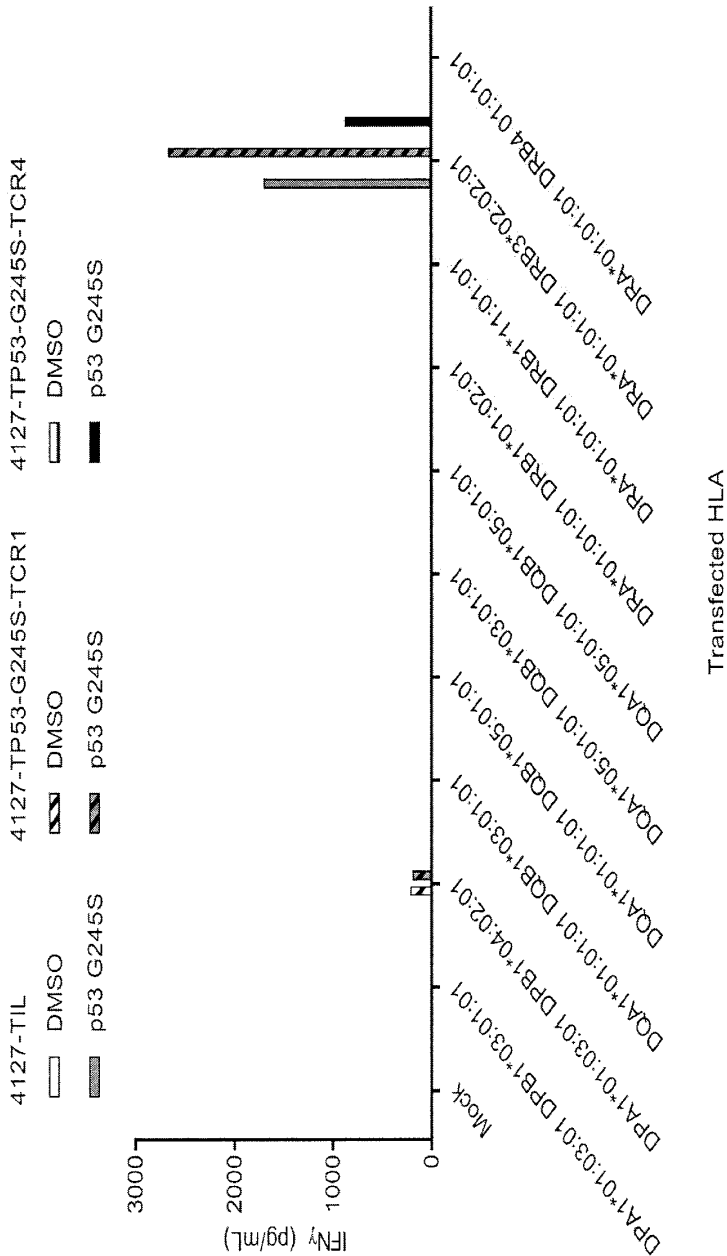


FIG. 4

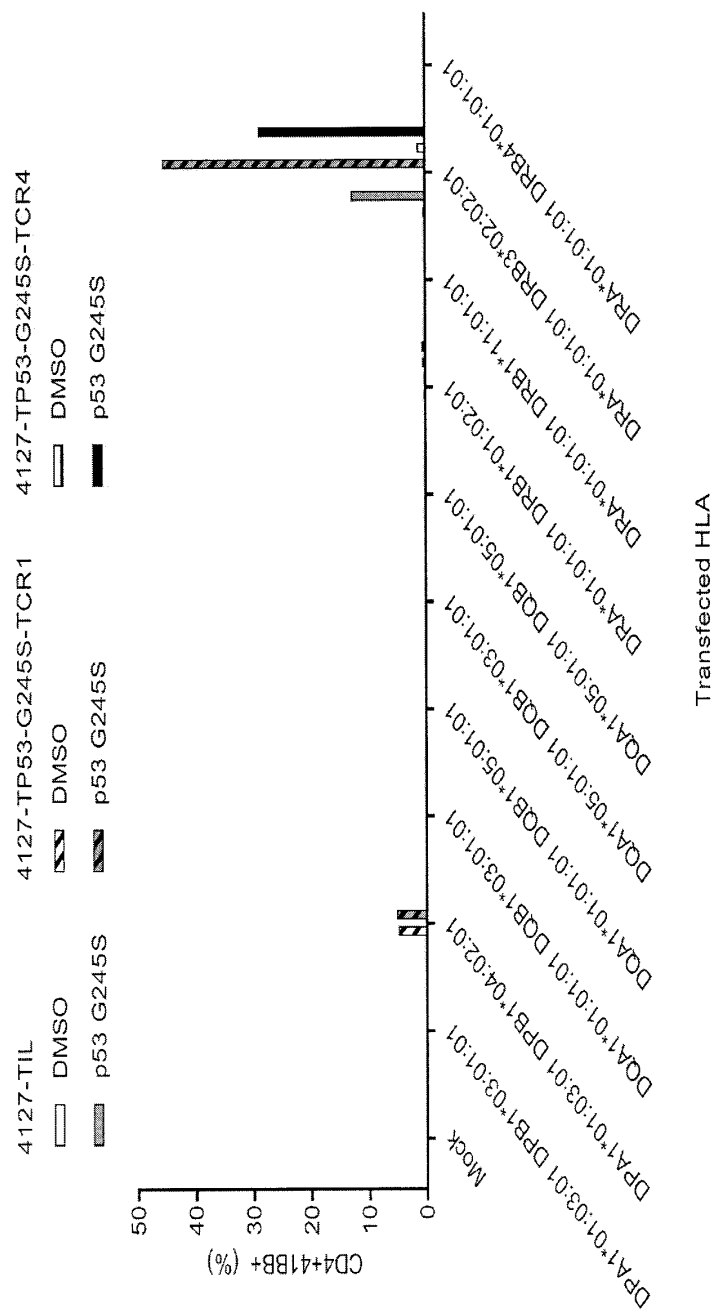


FIG. 5

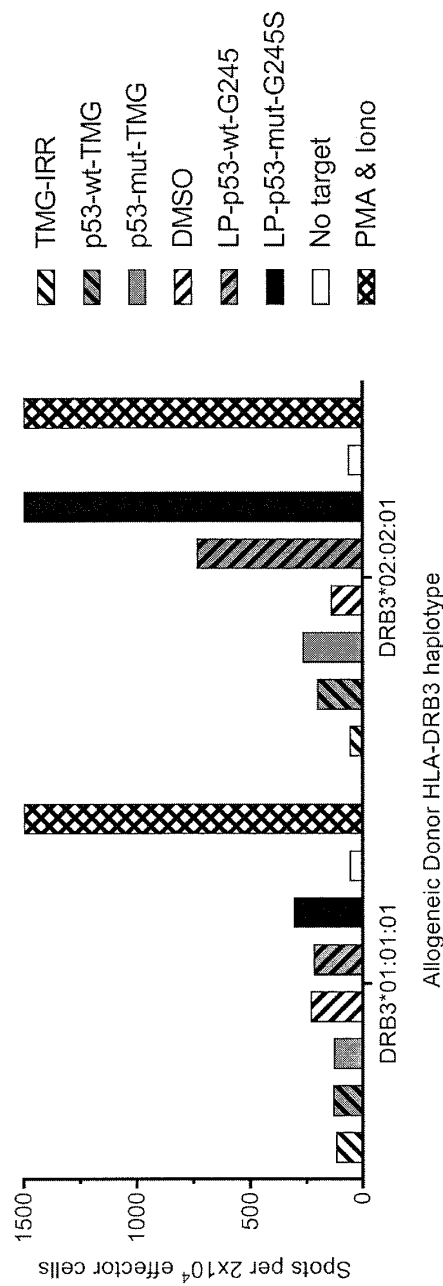


FIG. 6

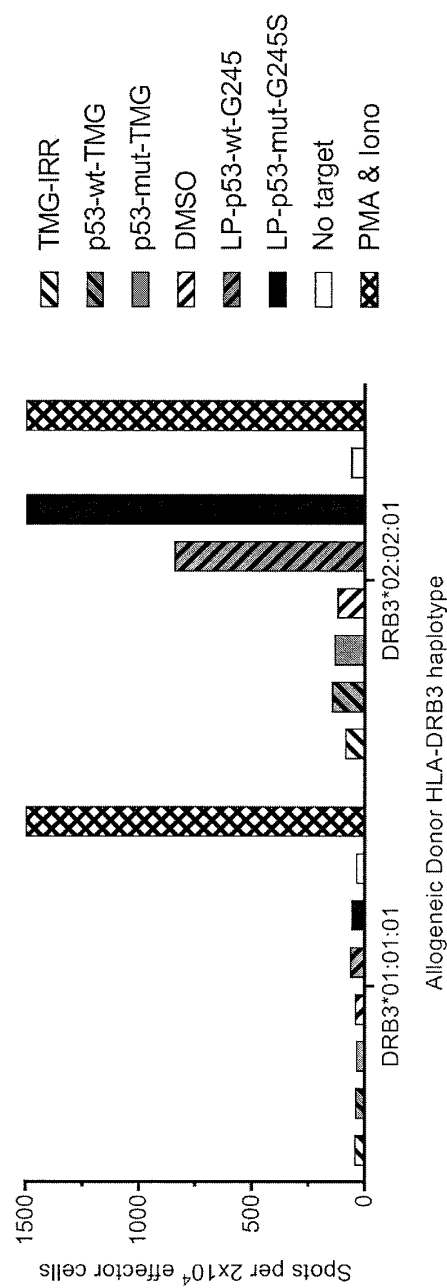


FIG. 7

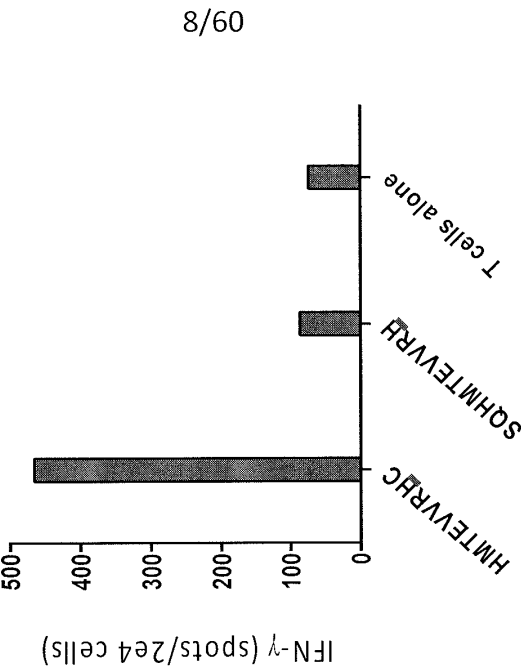


FIG. 8B

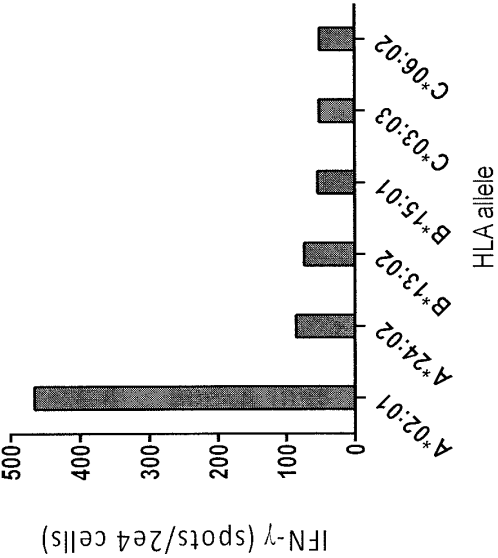


FIG. 8A

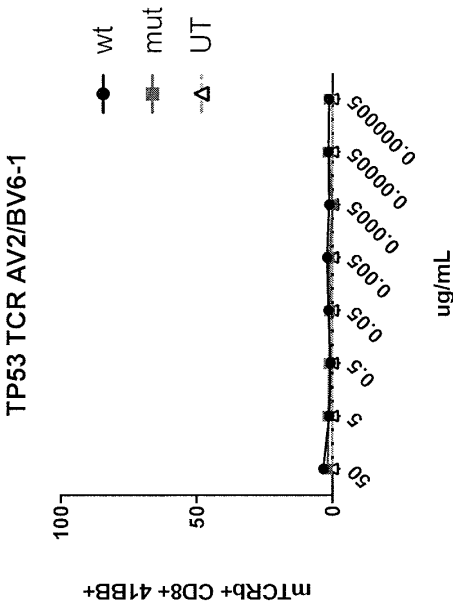


FIG. 9B

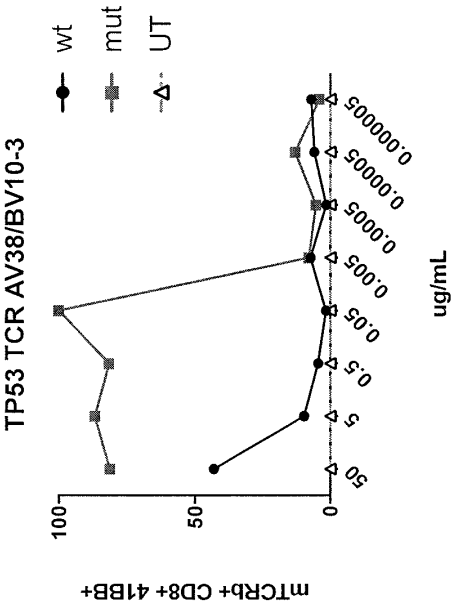


FIG. 9D

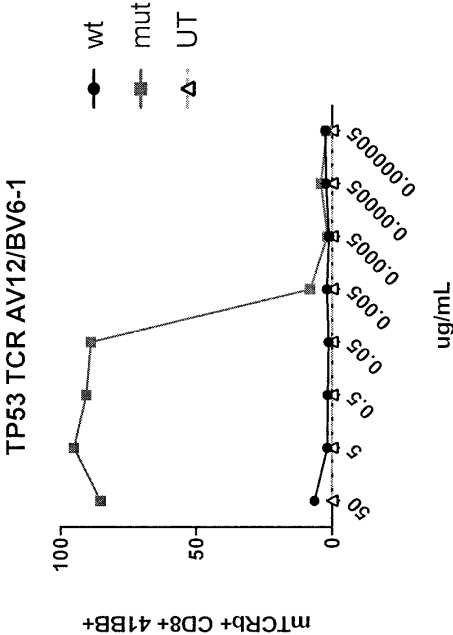


FIG. 9A

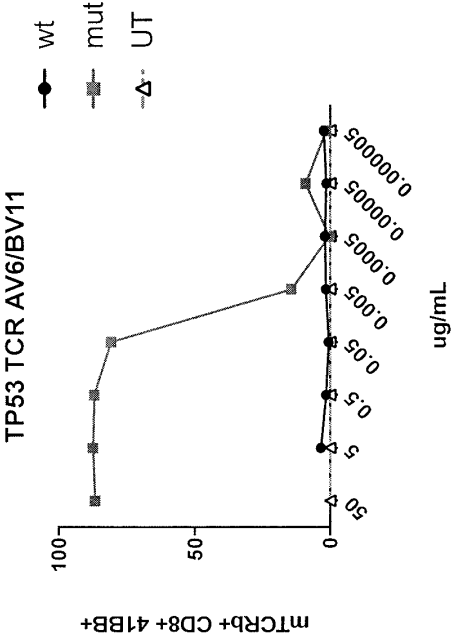


FIG. 9C

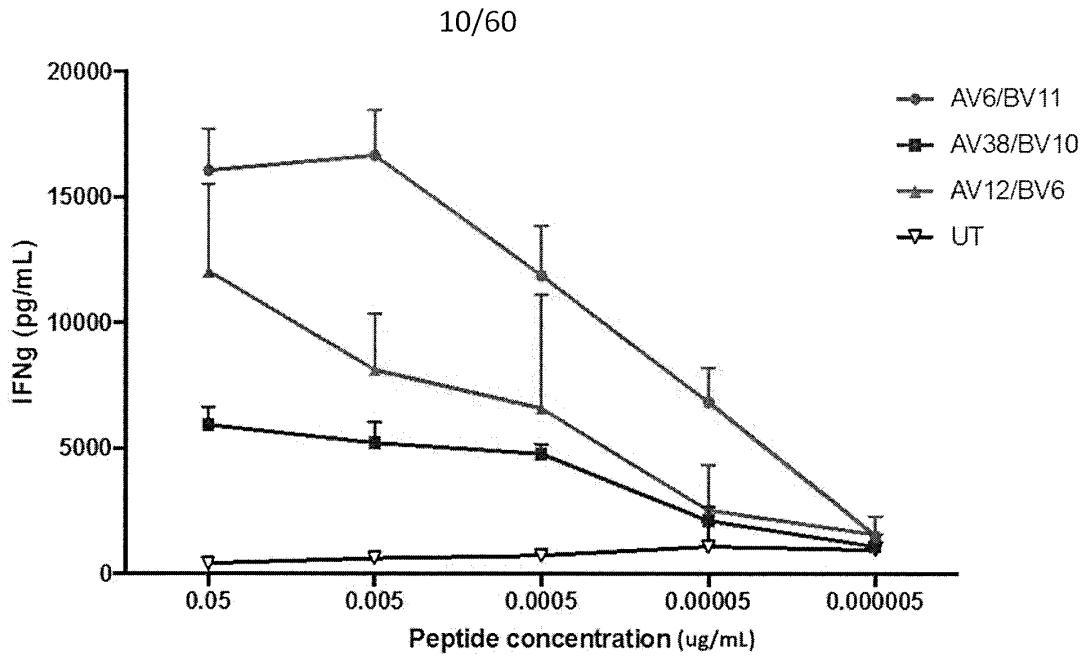


FIG. 10A

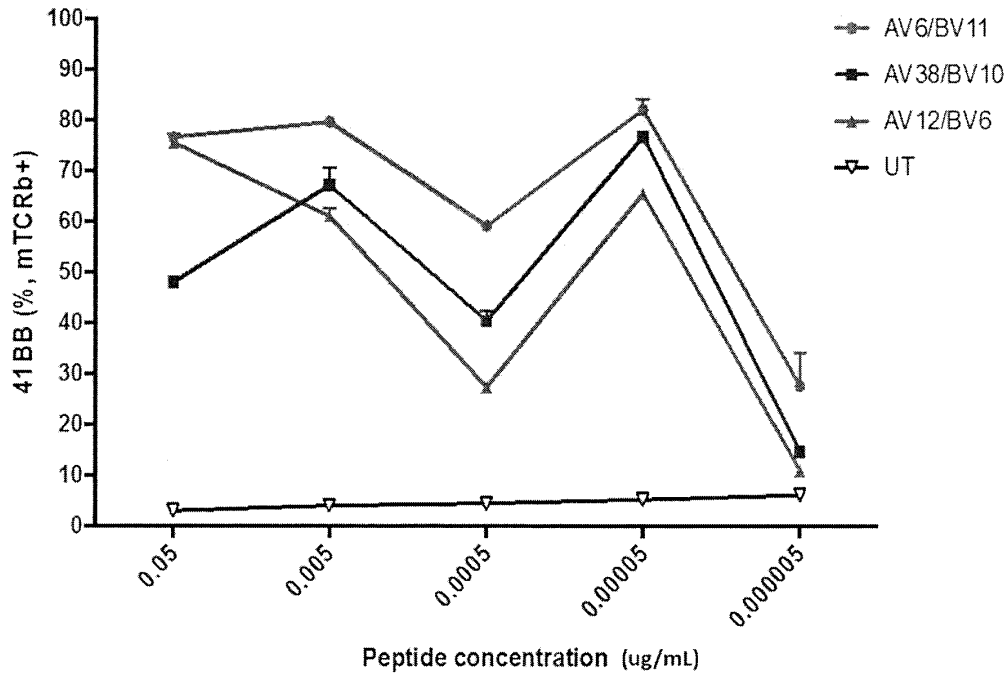


FIG. 10B

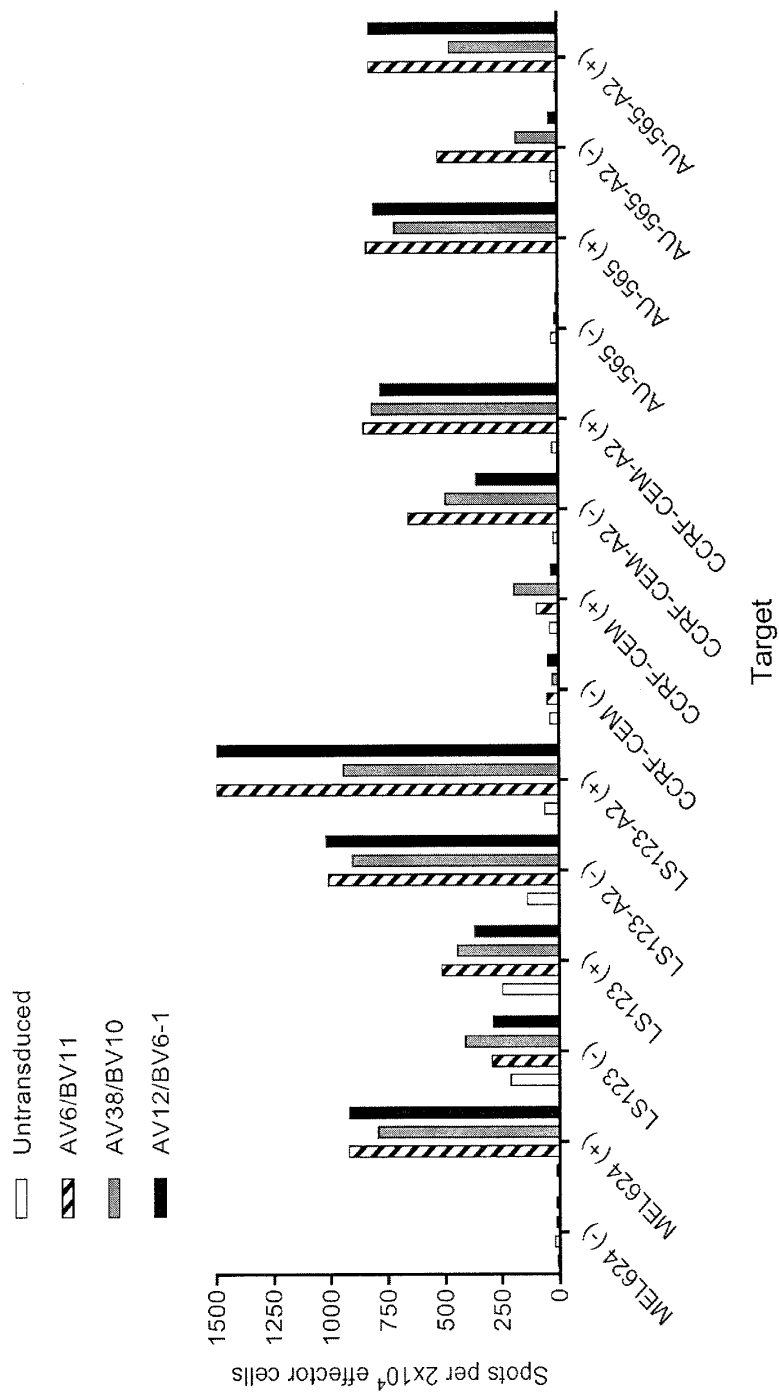


FIG. 11

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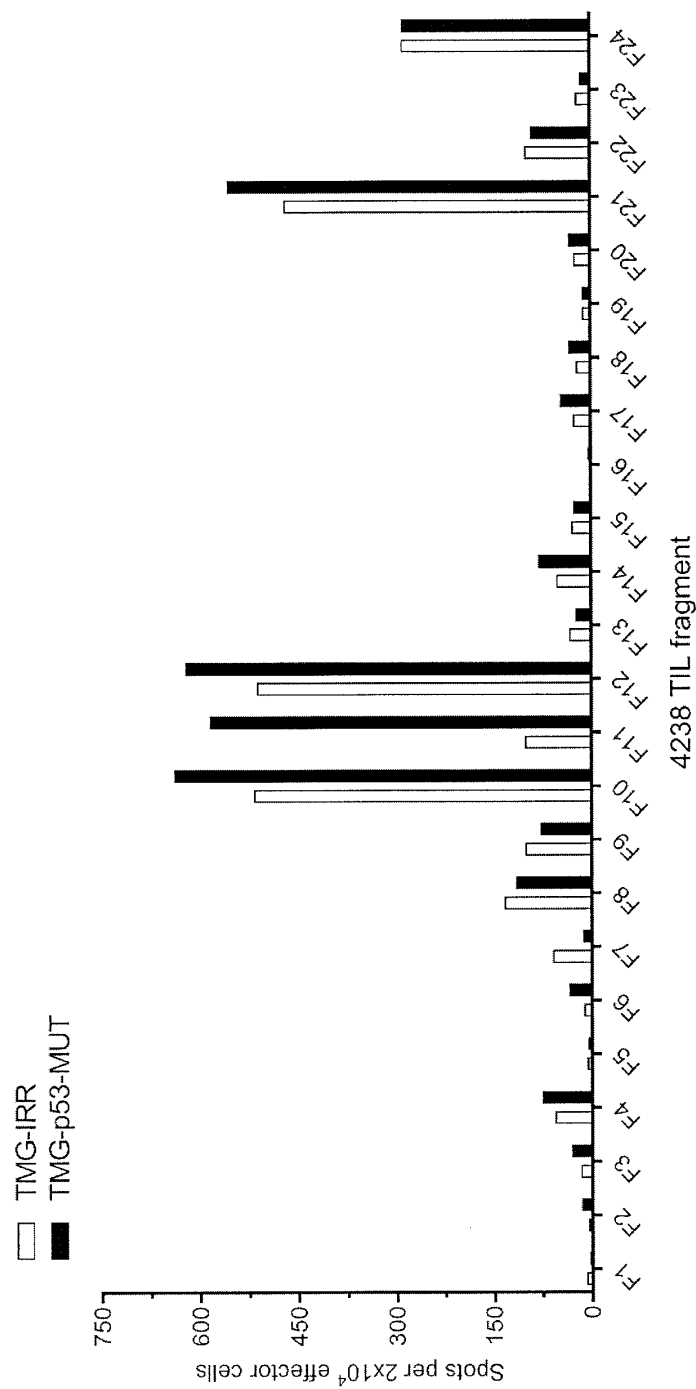


FIG. 12

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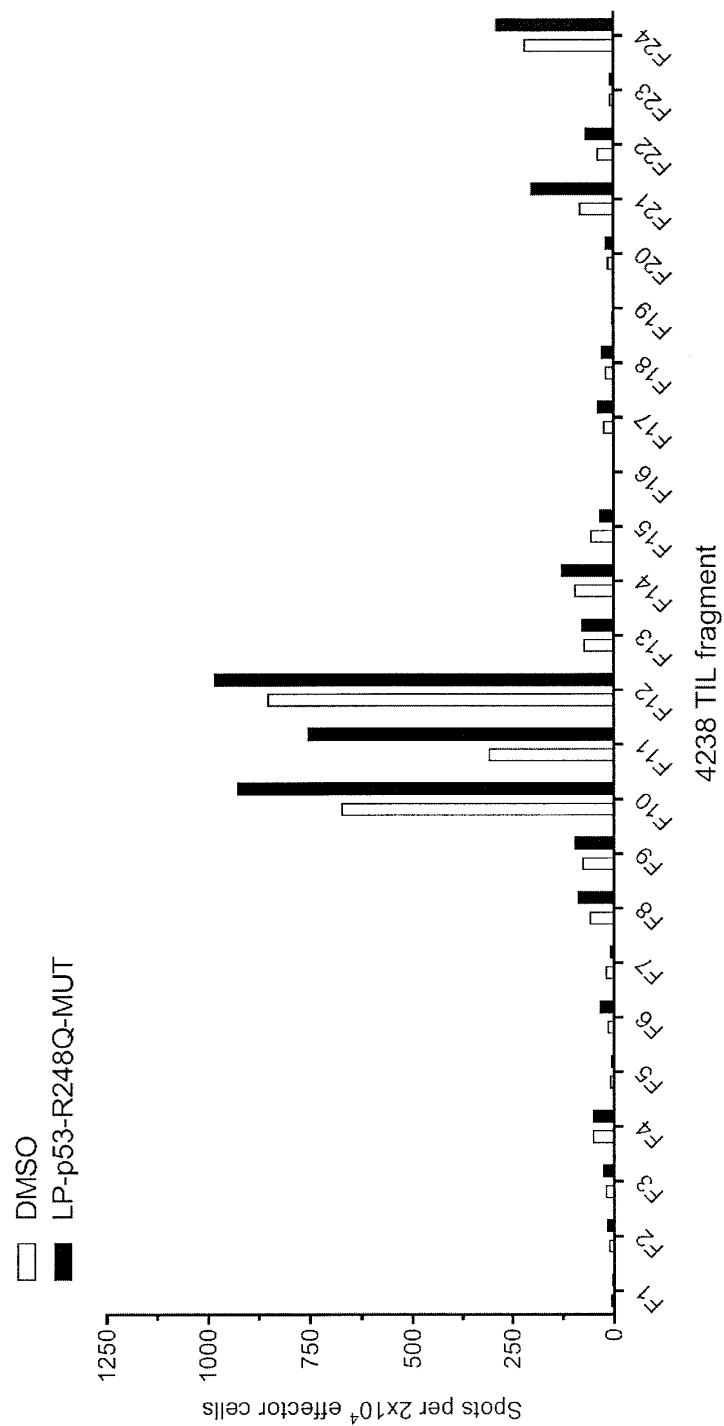


FIG. 13

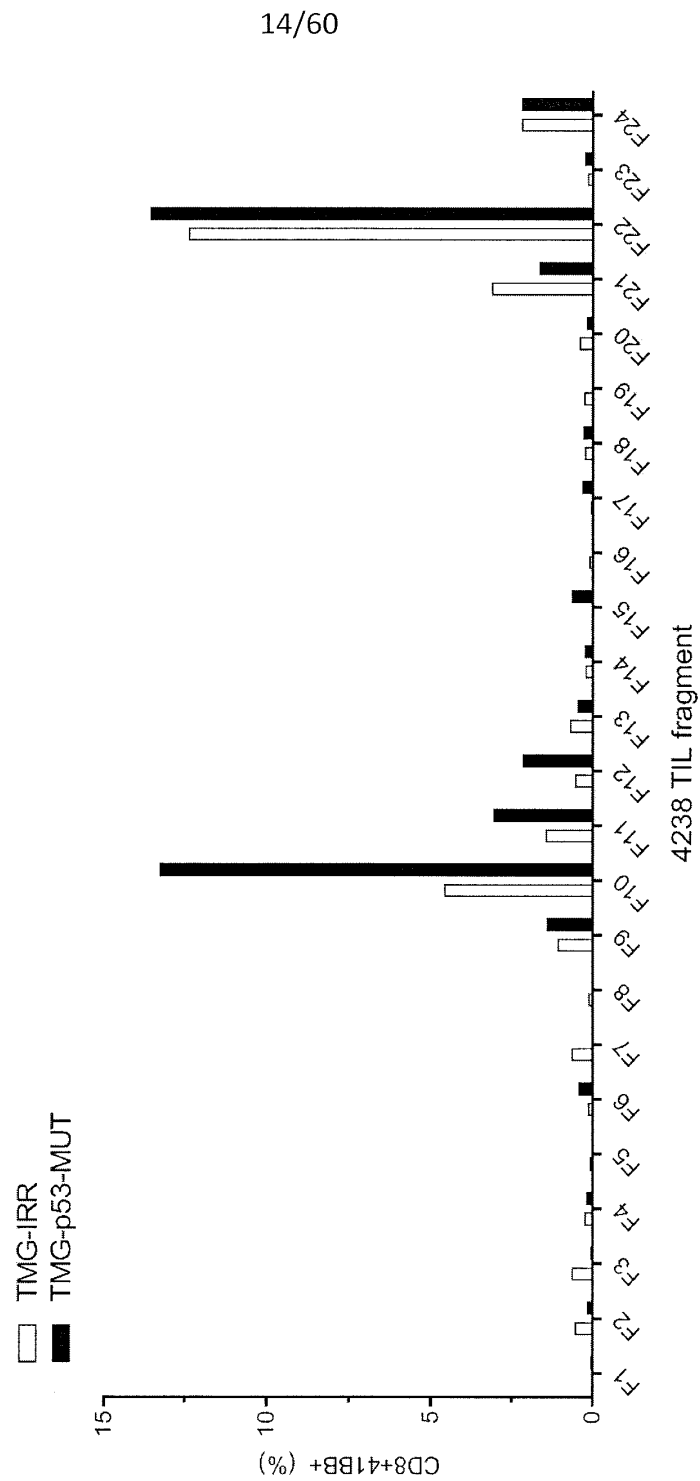


FIG. 14

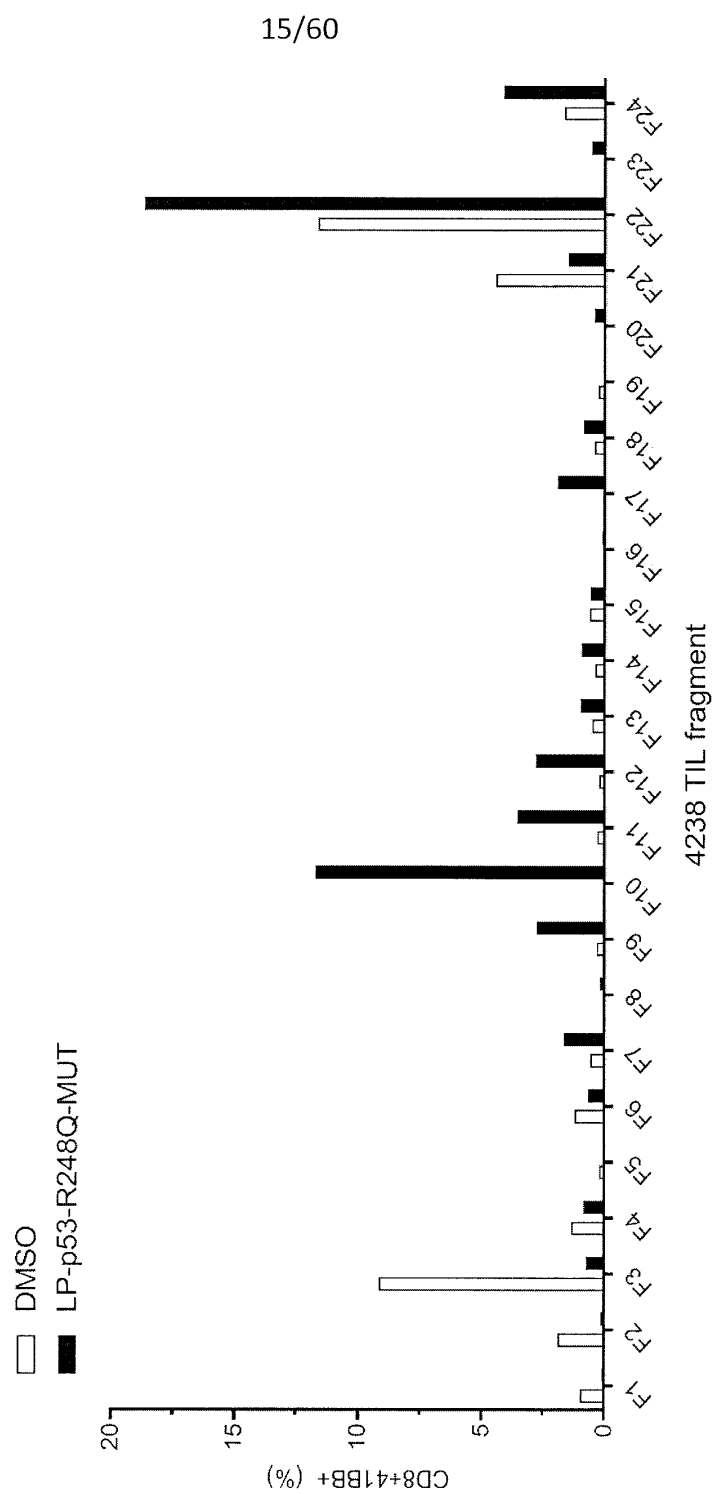


FIG. 15

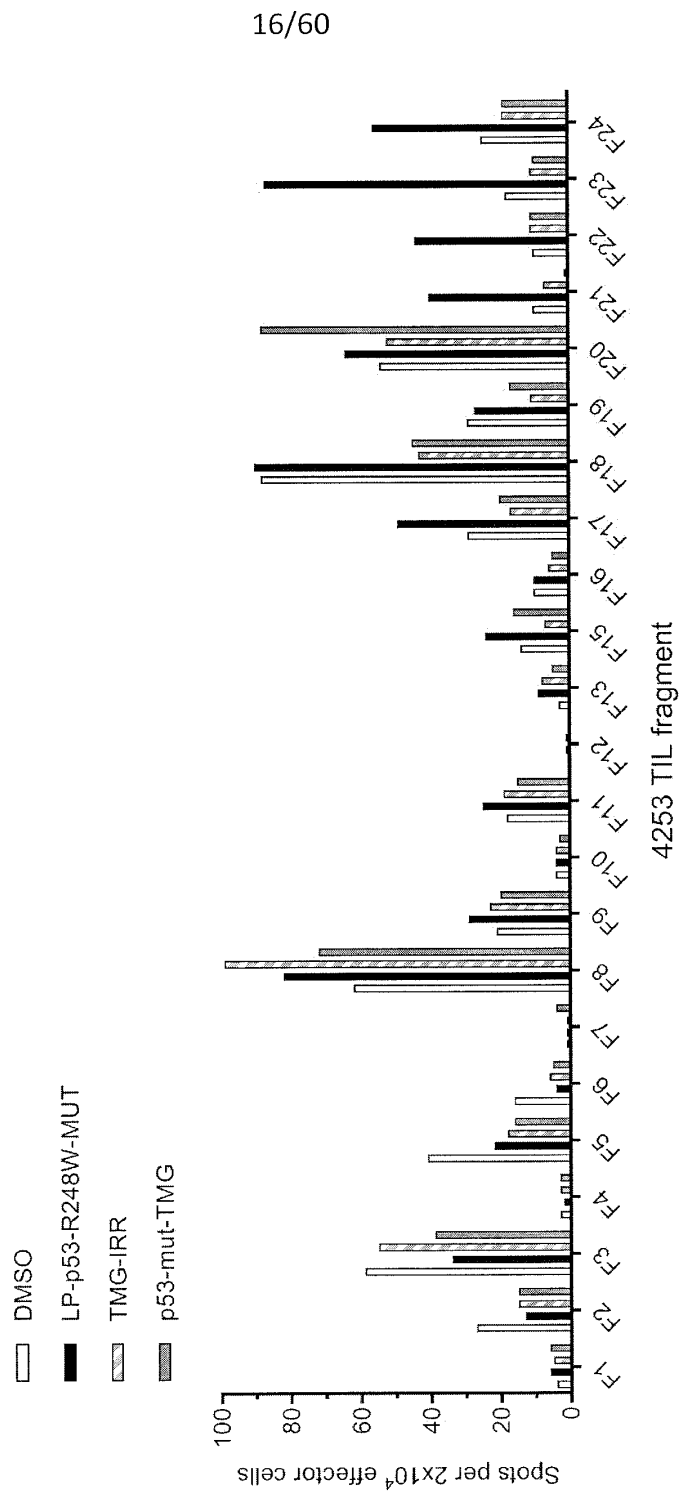


FIG. 16

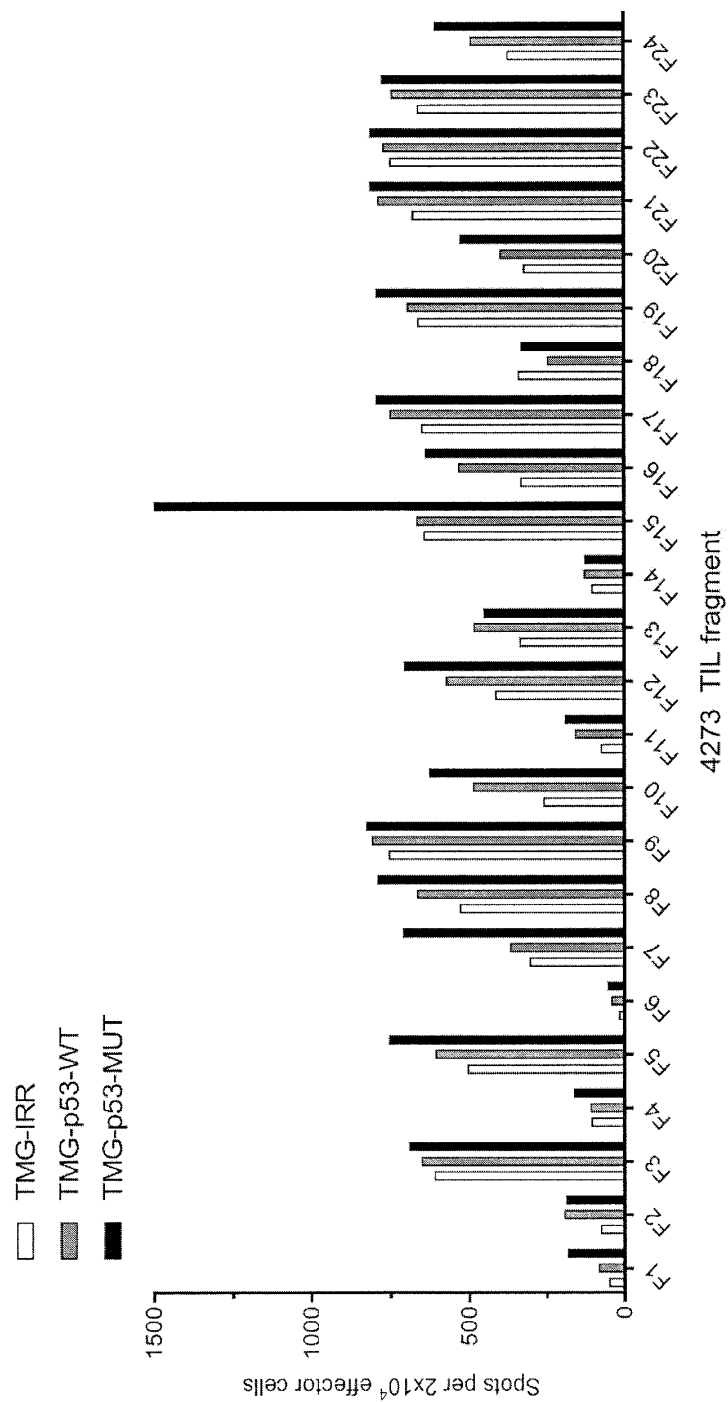


FIG. 17

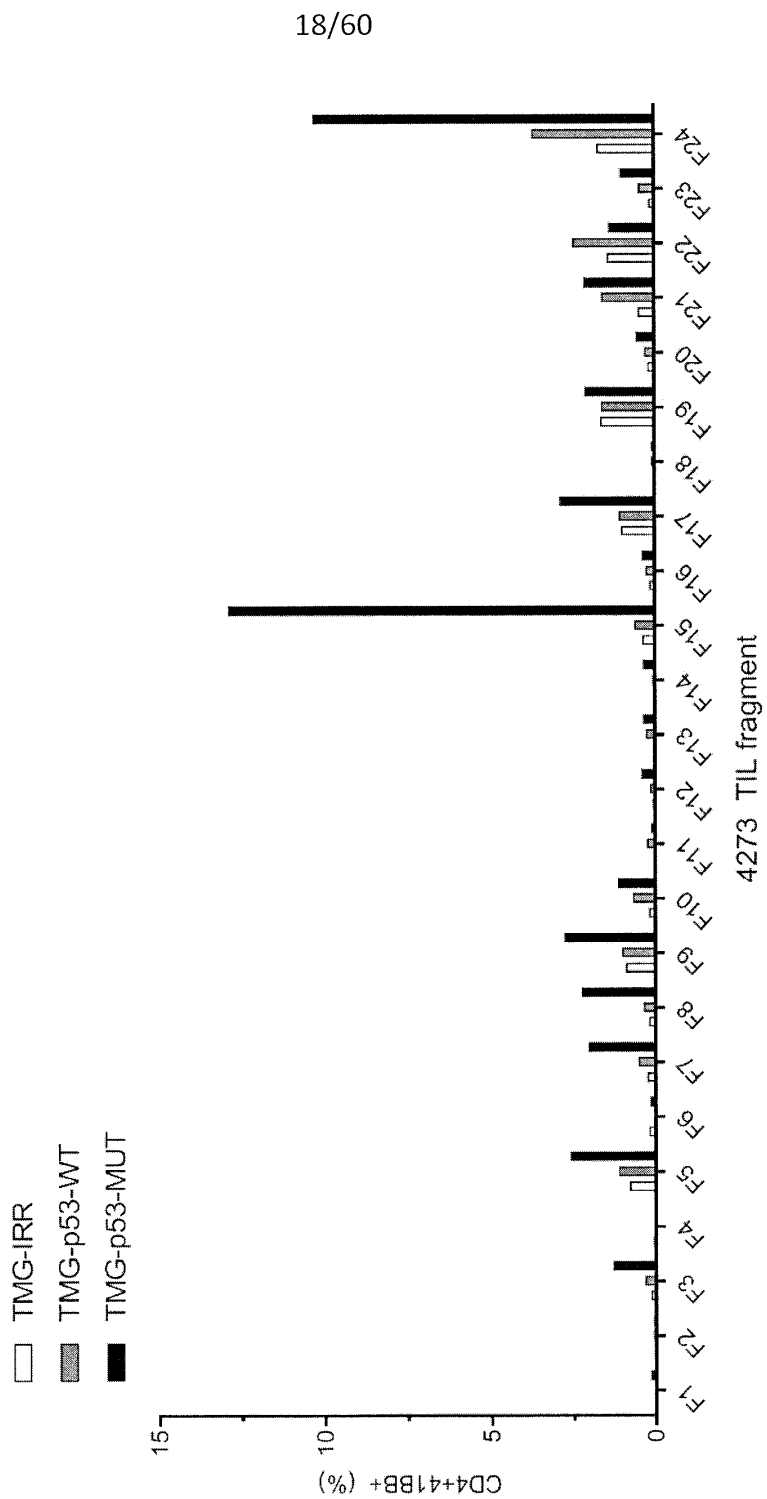


FIG. 18

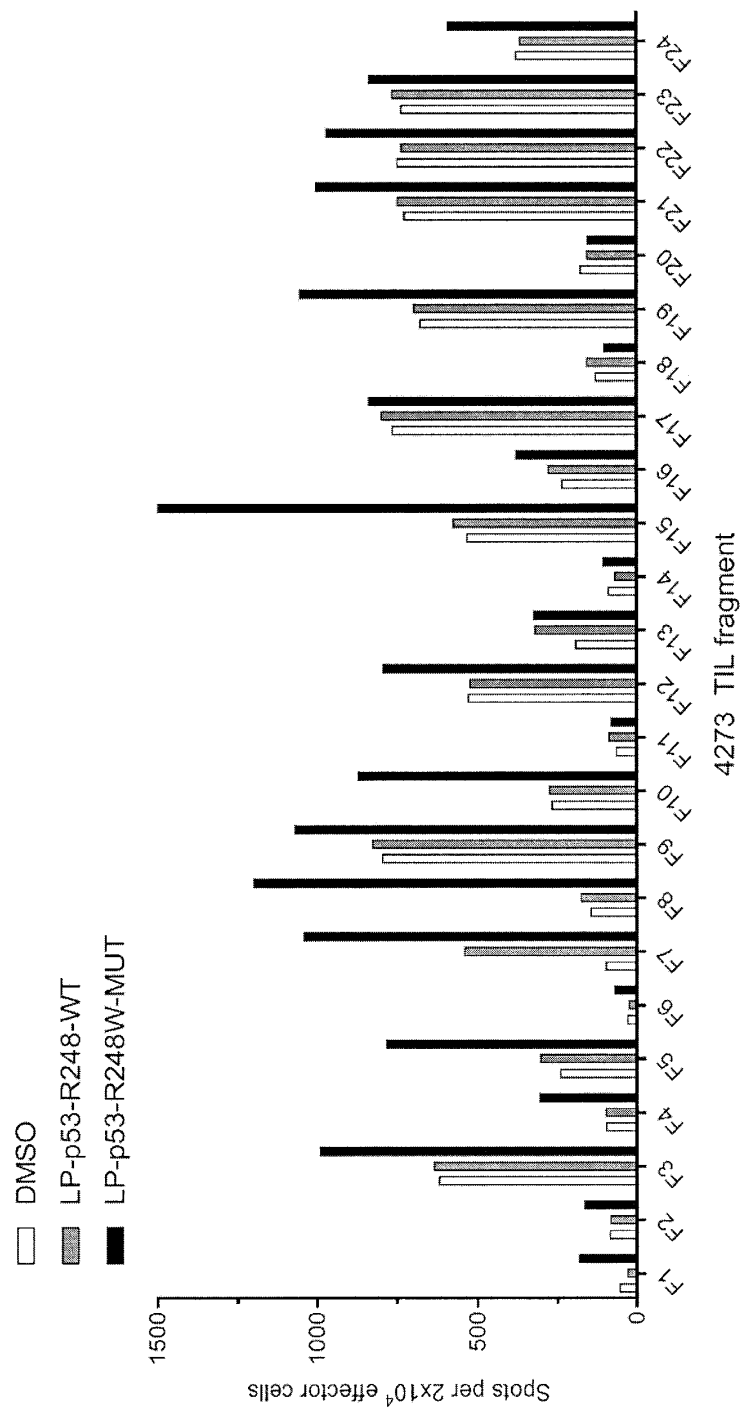


FIG. 19

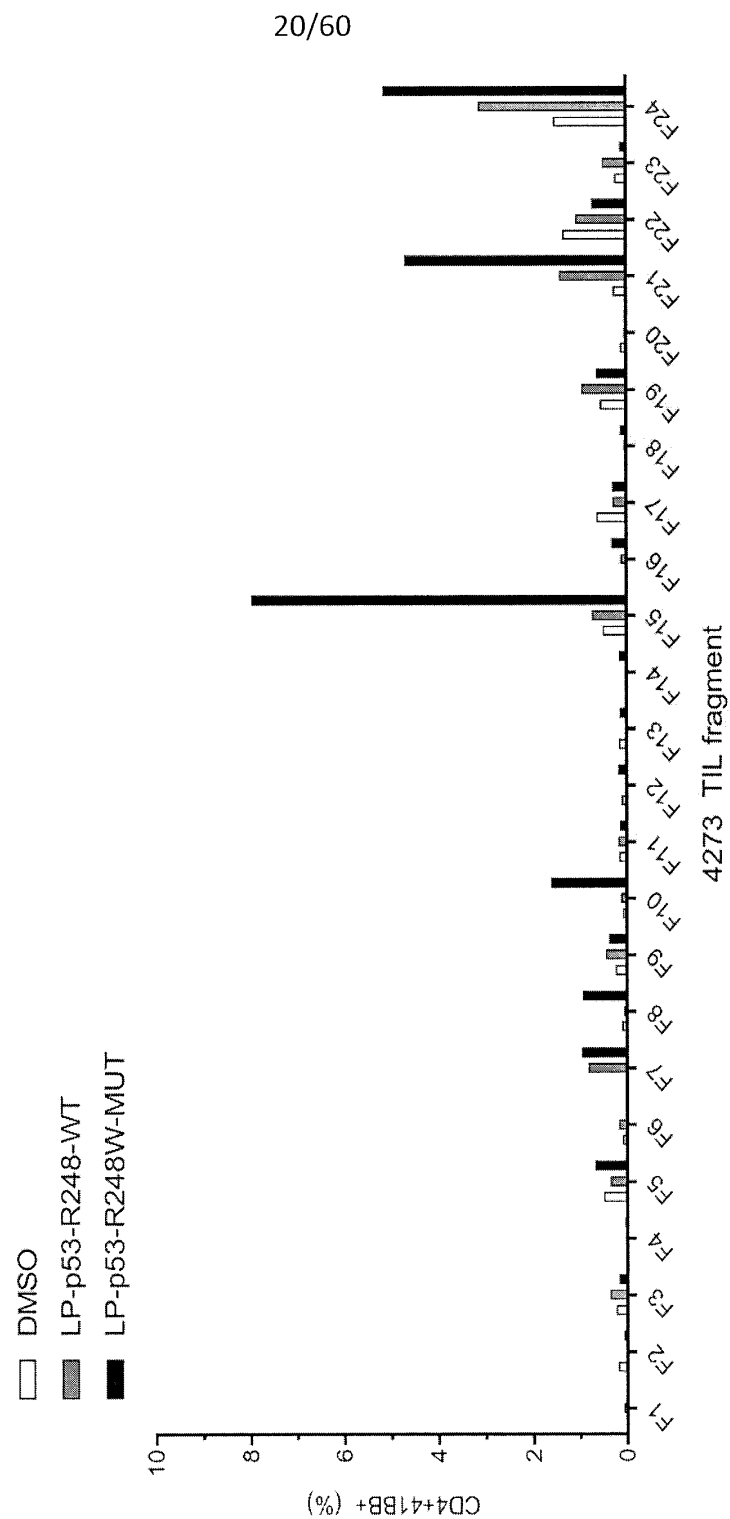


FIG. 20

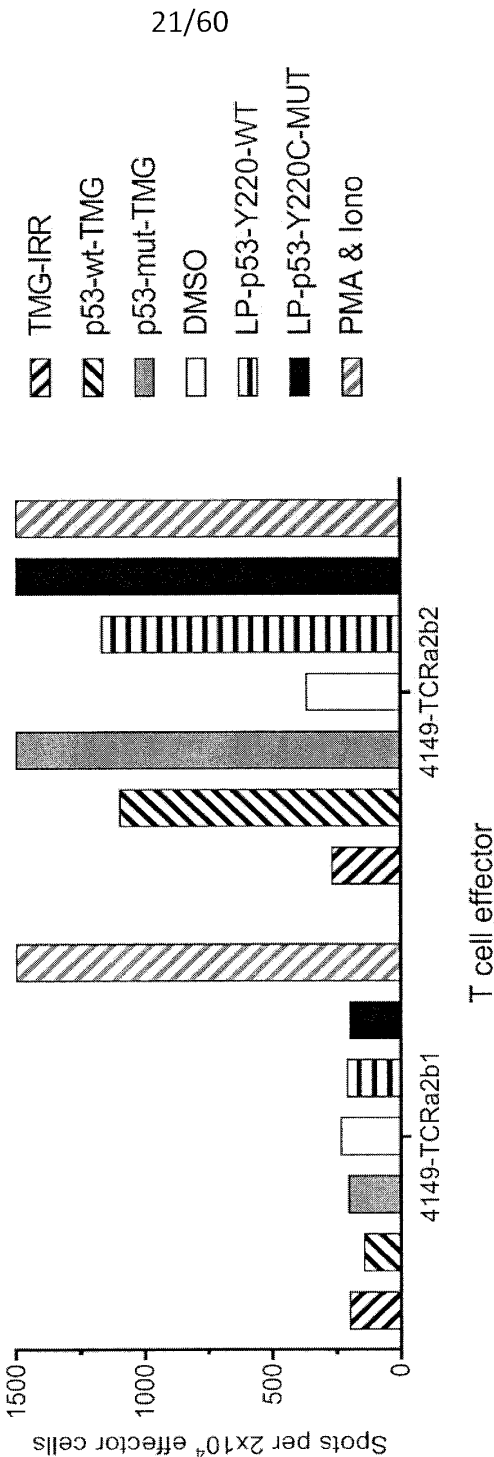


FIG. 21

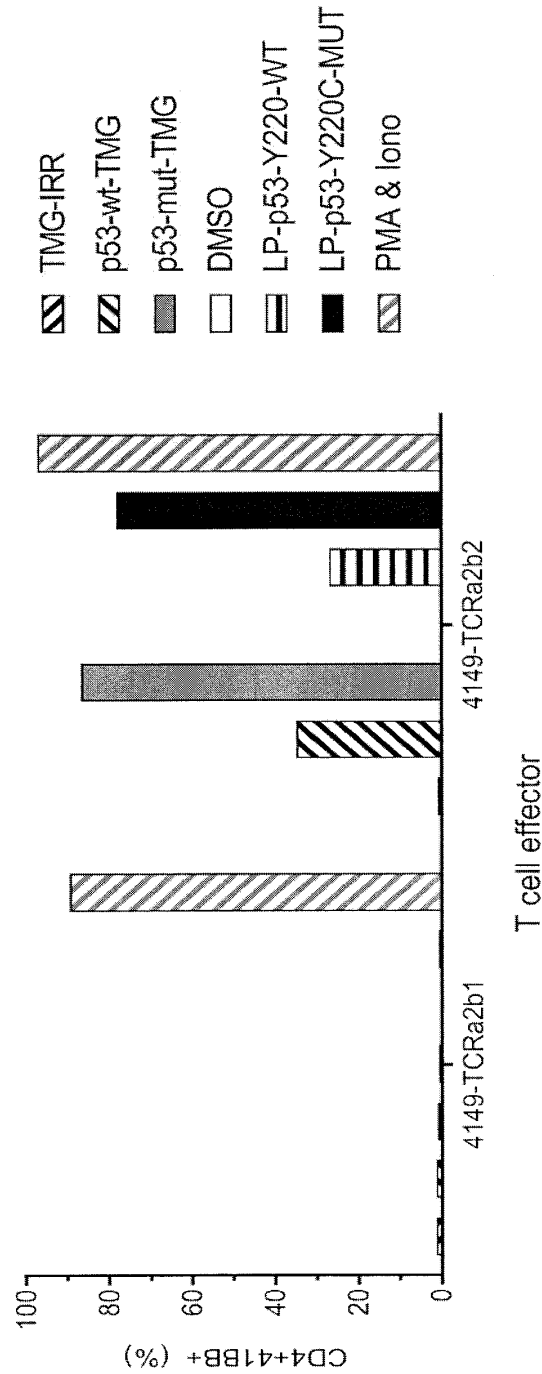


FIG. 22

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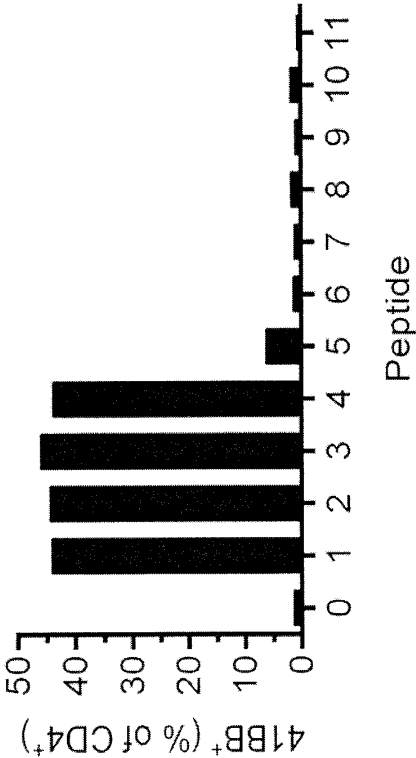


FIG. 23

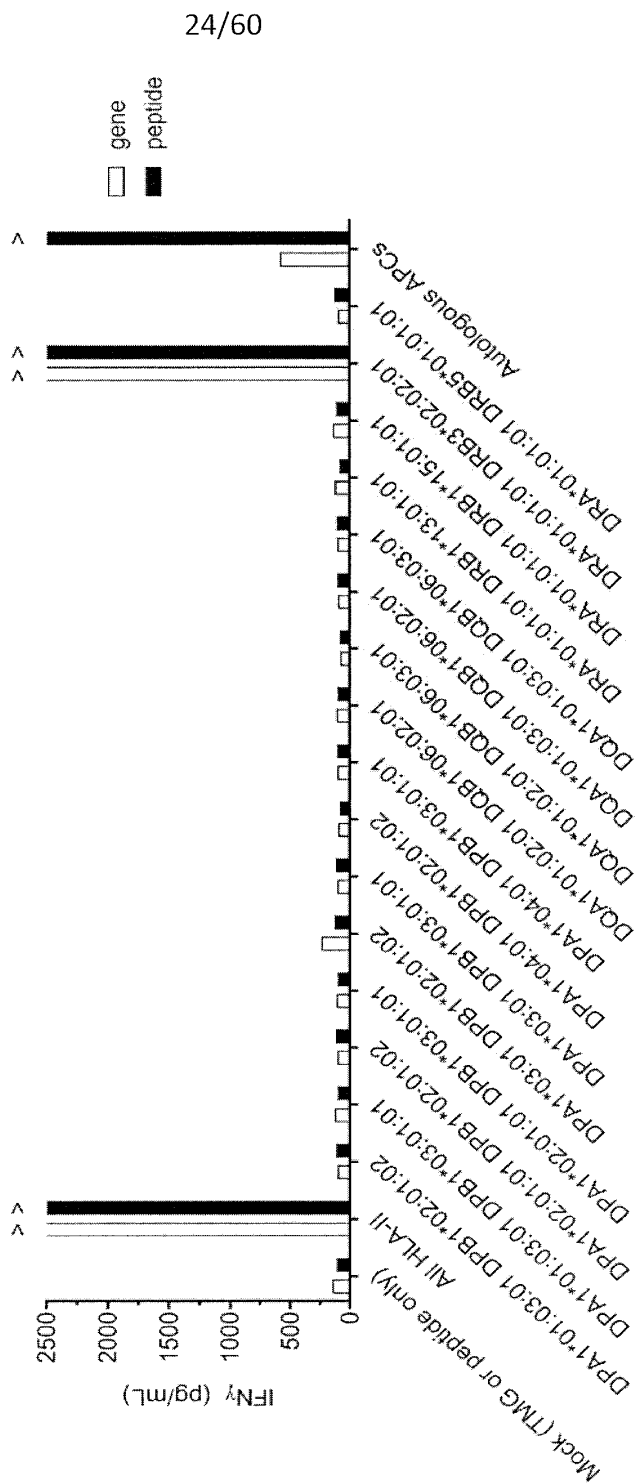


FIG. 24

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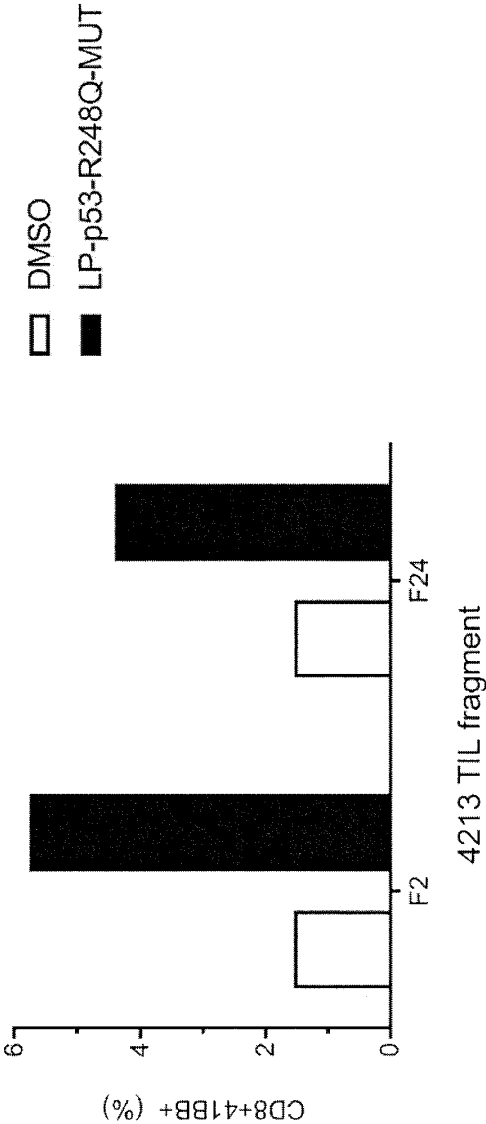


FIG. 25

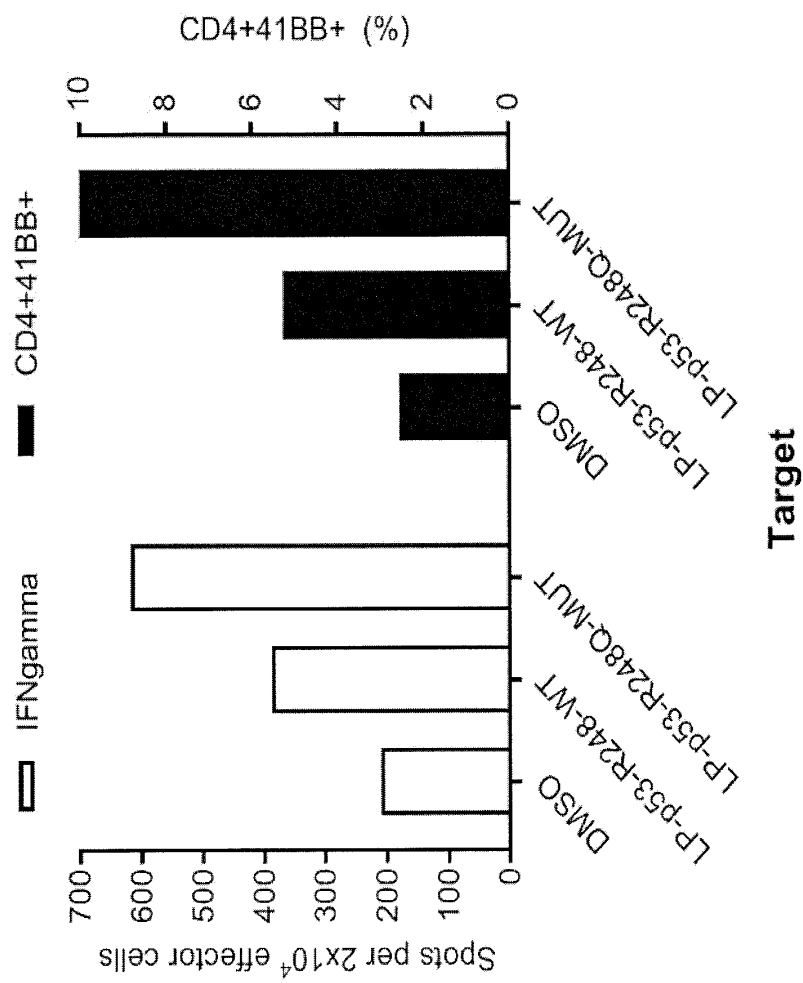


FIG. 26

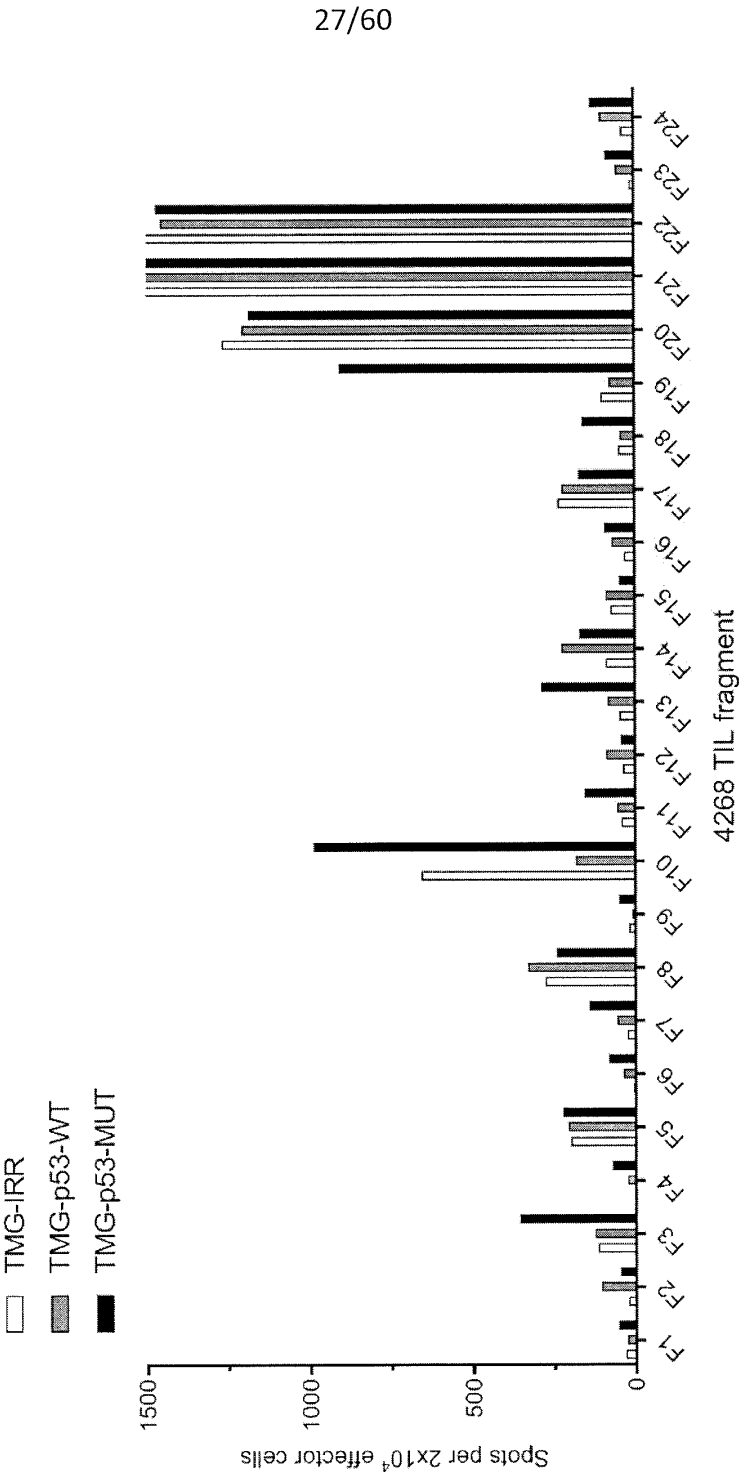


FIG. 27

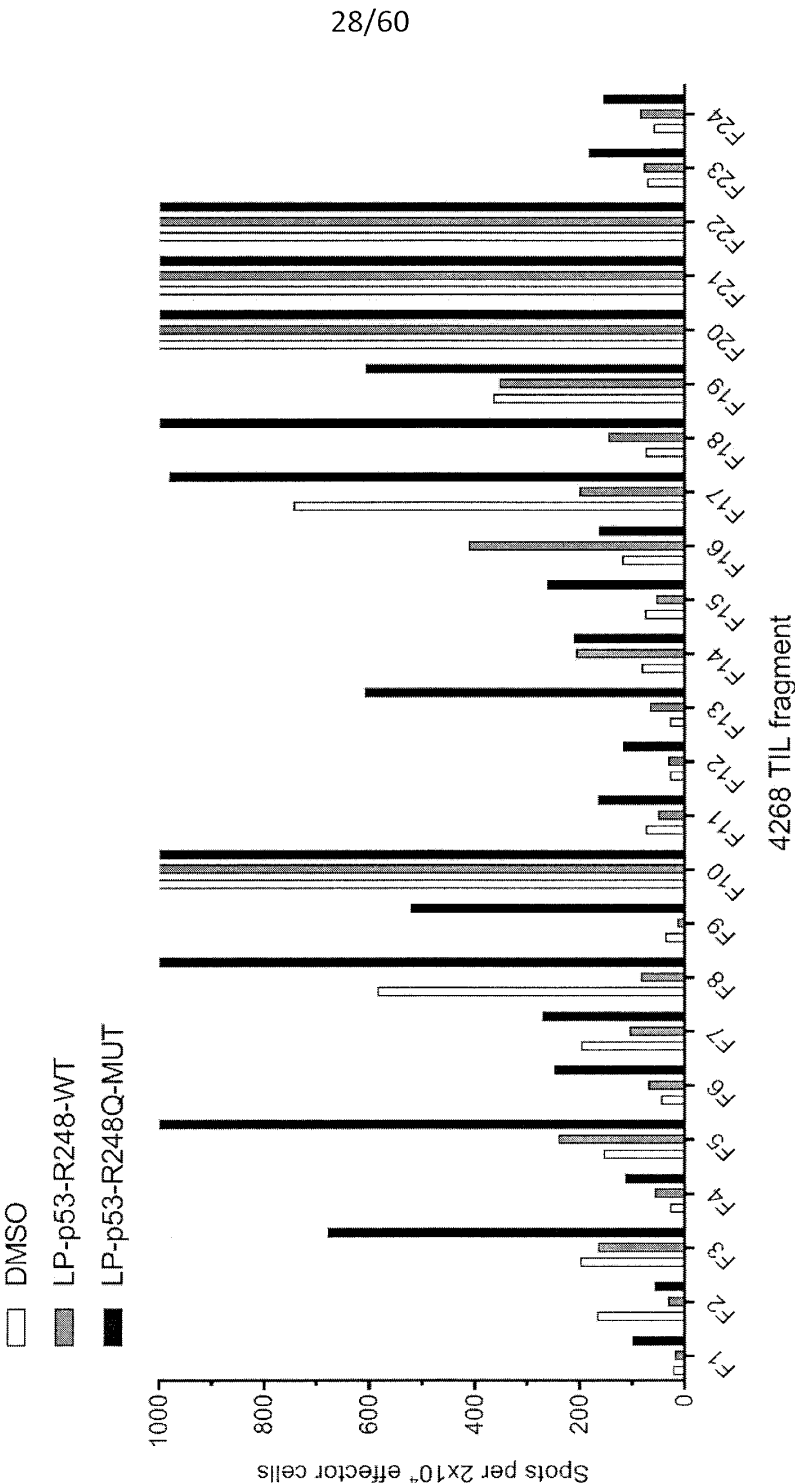


FIG. 28

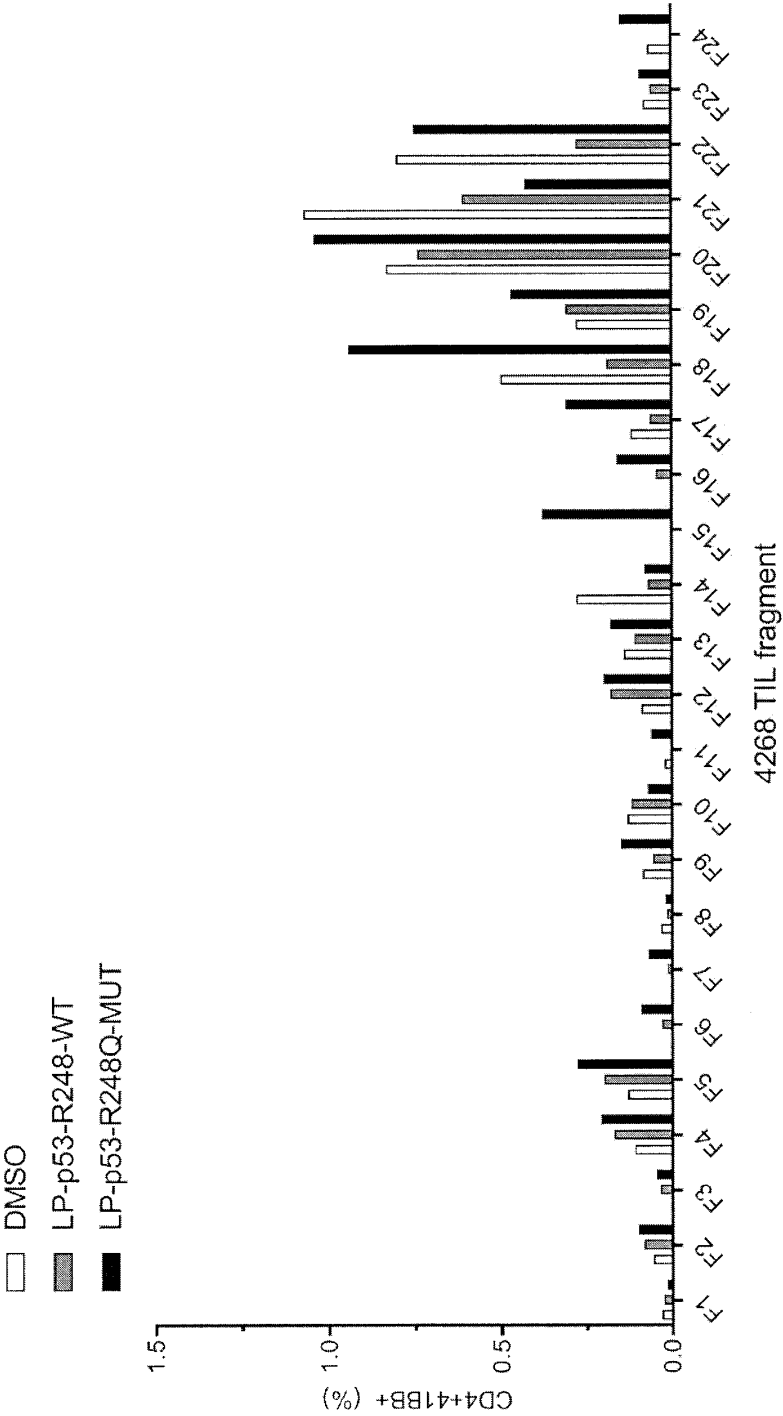


FIG. 29

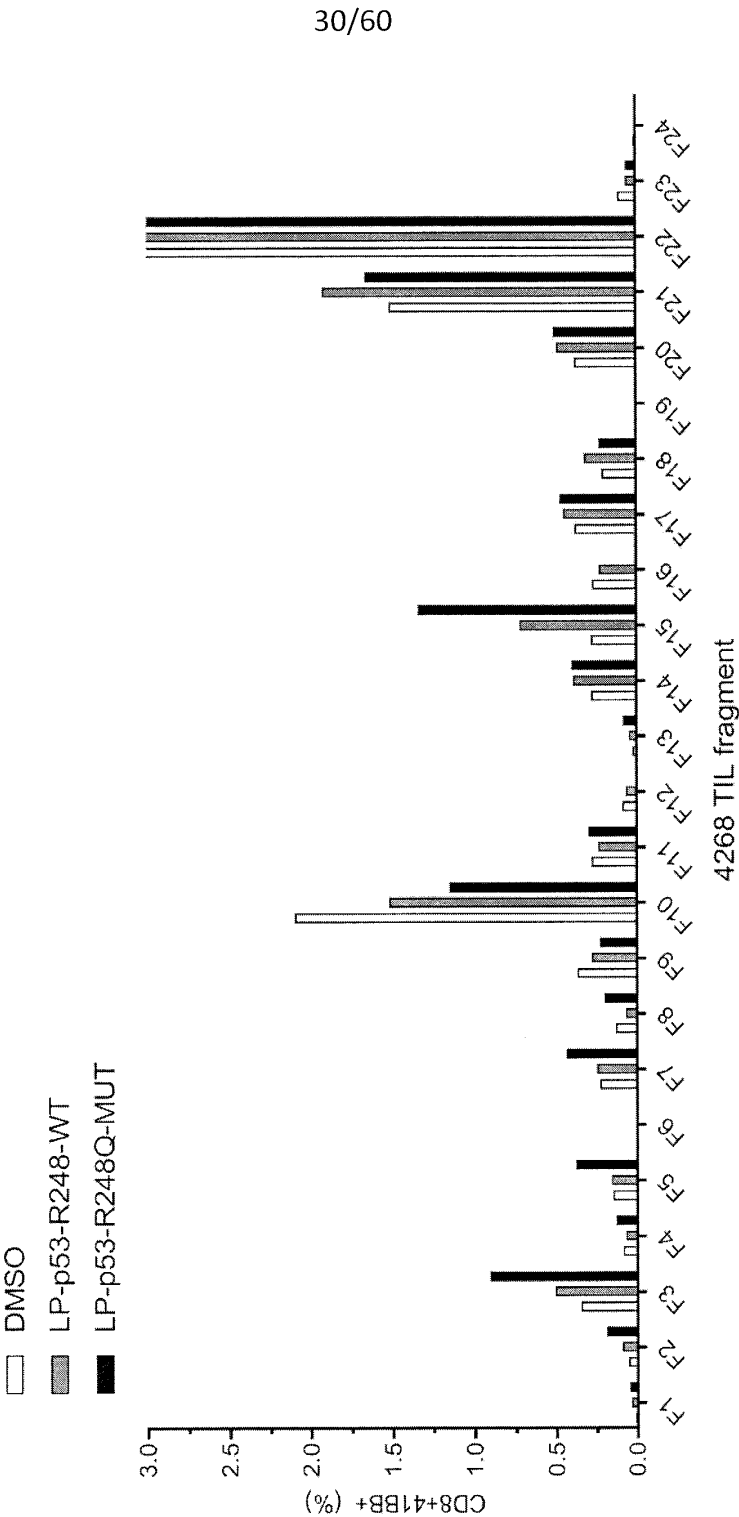


FIG. 30

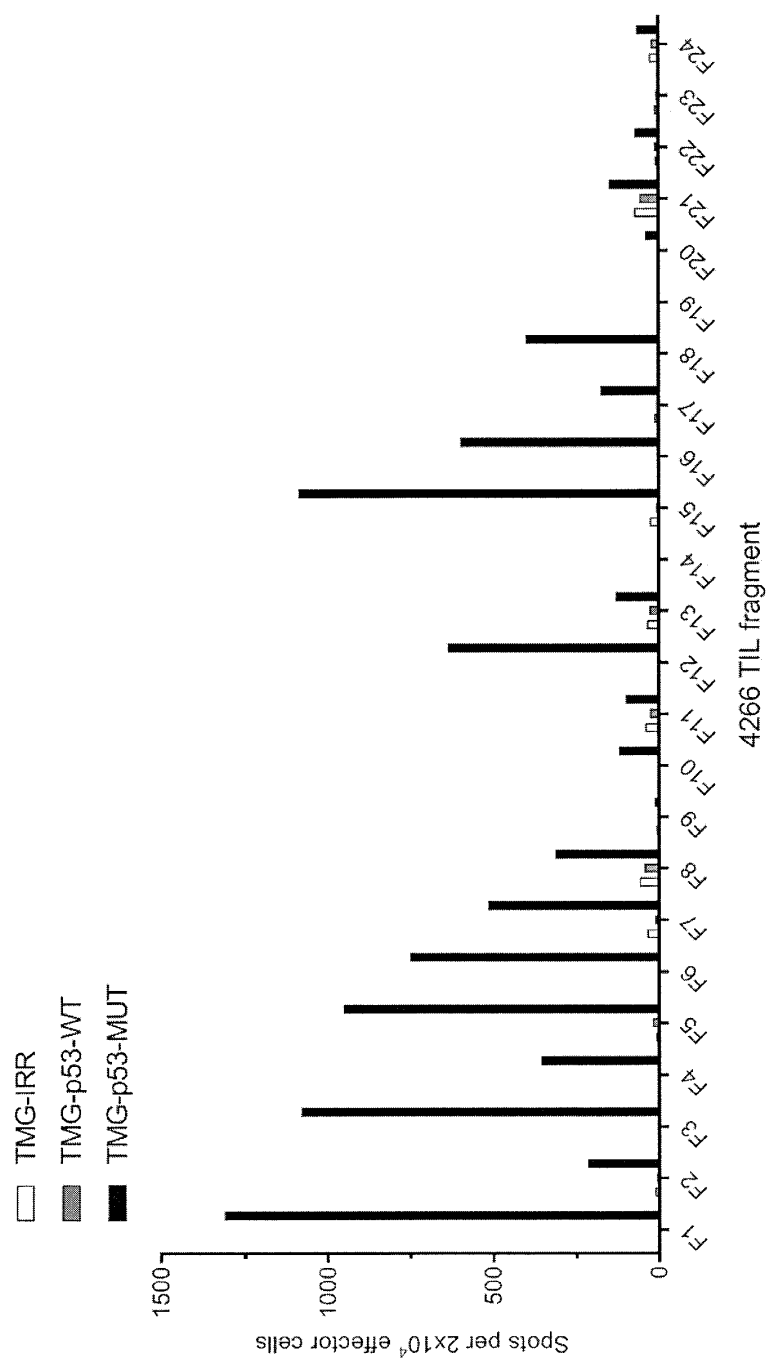


FIG. 31

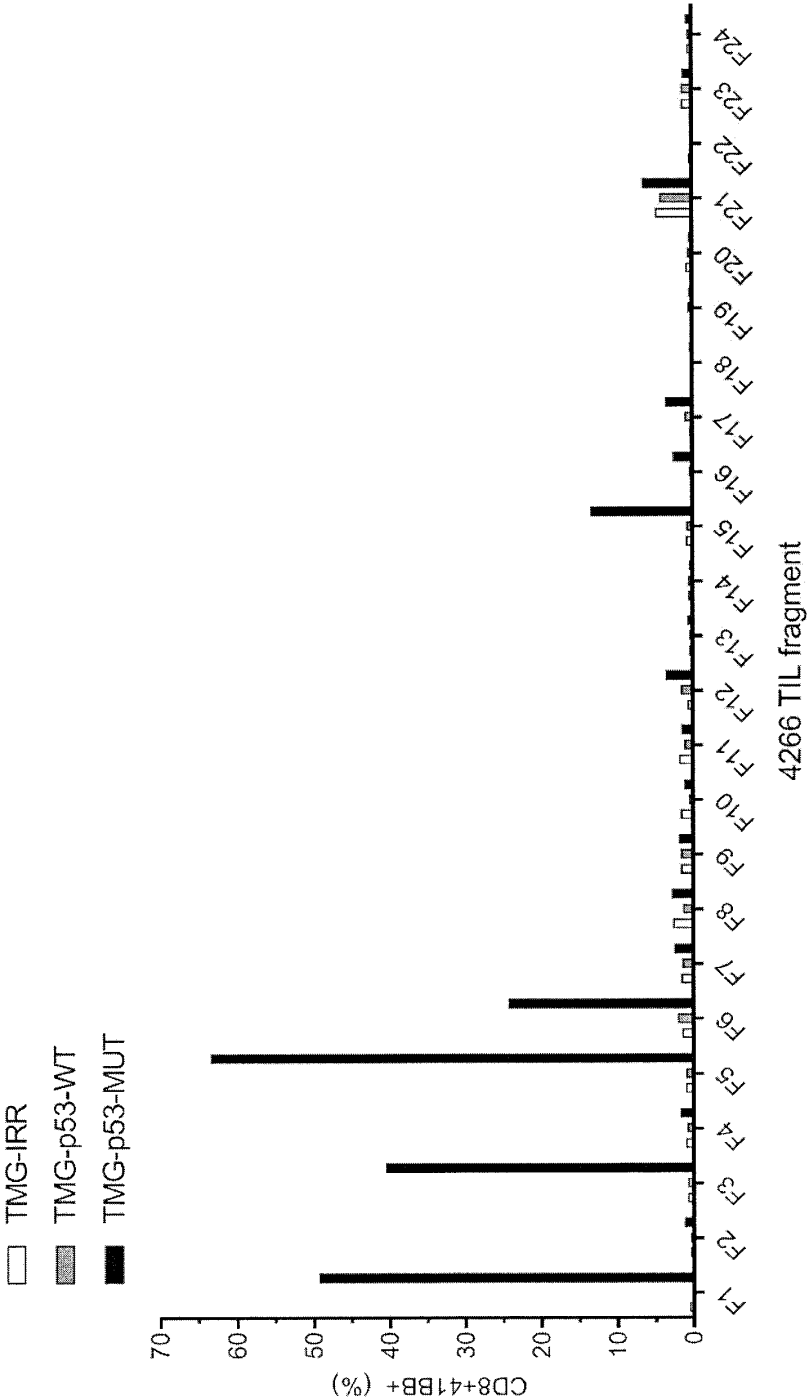


FIG. 32

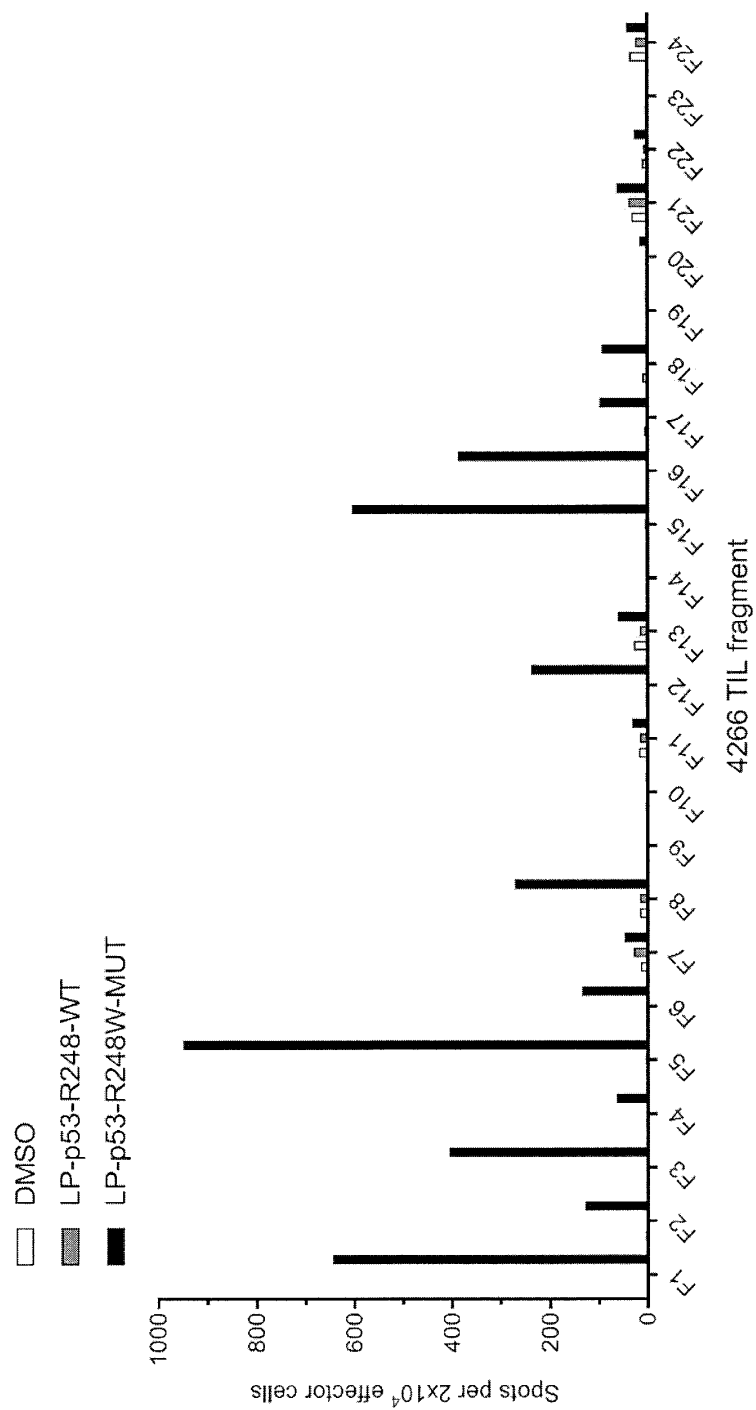


FIG. 33

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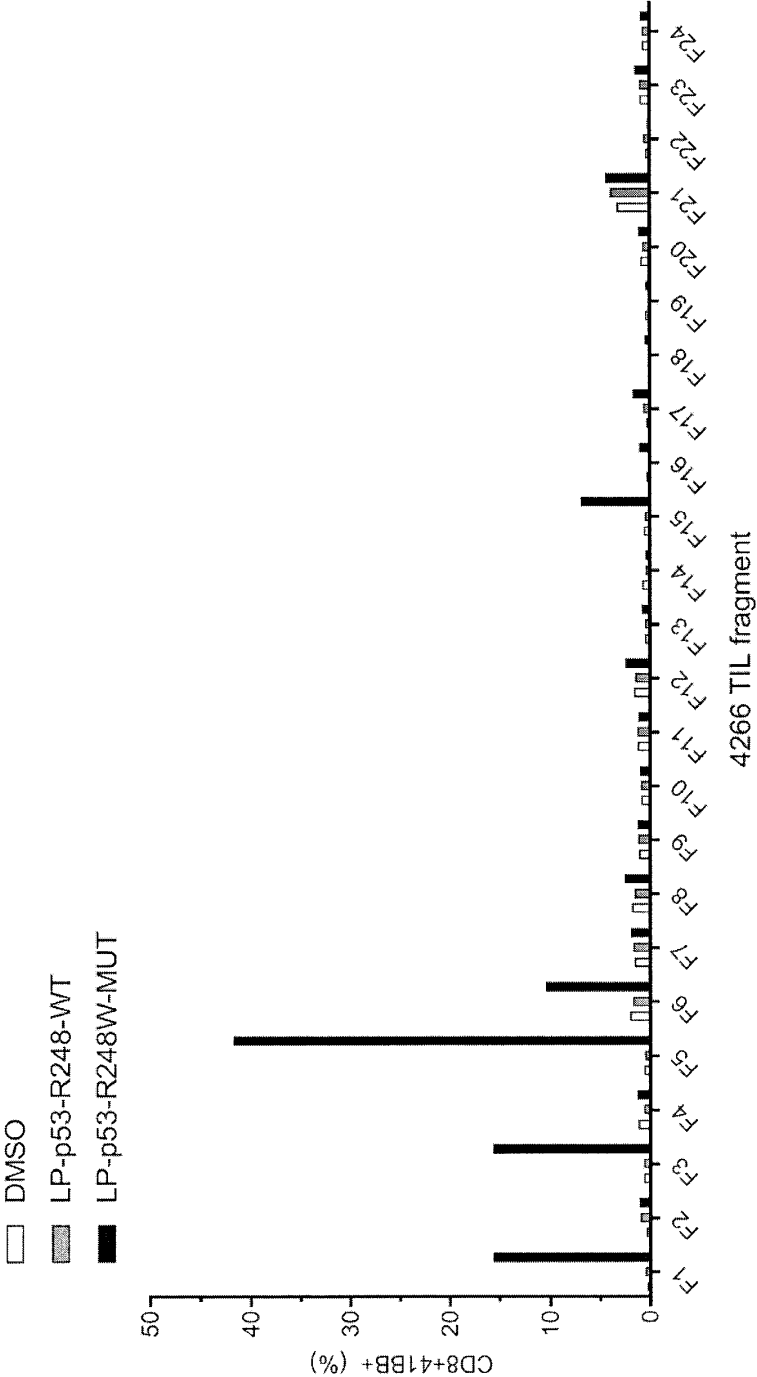


FIG. 34

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CLUSTAL O(1.2.4) multiple sequence alignment

```

SP|P04637|P53_HUMAN  MEEPQSDPSVEPPLSQETFSDLWKLLPENNVLSPLPSQAMDDLMLSPDDIEQWFTEDEPGP 60
SP|P04637-2|P53_HUMAN MEEPQSDPSVEPPLSQETFSDLWKLLPENNVLSPLPSQAMDDLMLSPDDIEQWFTEDEPGP 60
SP|P04637-3|P53_HUMAN MEEPQSDPSVEPPLSQETFSDLWKLLPENNVLSPLPSQAMDDLMLSPDDIEQWFTEDEPGP 60
SP|P04637-4|P53_HUMAN -----MDDLMLSPDDIEQWFTEDEPGP 21
SP|P04637-5|P53_HUMAN -----MDDLMLSPDDIEQWFTEDEPGP 21
SP|P04637-6|P53_HUMAN -----MDDLMLSPDDIEQWFTEDEPGP 21
SP|P04637-7|P53_HUMAN -----
SP|P04637-8|P53_HUMAN -----
SP|P04637-9|P53_HUMAN -----

SP|P04637|P53_HUMAN  DEAPRMPEAAPVAPAPAAPTPAAPAPAPSWPLSSSVPSQKTYQGSYGFRLGFLHSGTAK 120
SP|P04637-2|P53_HUMAN DEAPRMPEAAPVAPAPAAPTPAAPAPAPSWPLSSSVPSQKTYQGSYGFRLGFLHSGTAK 120
SP|P04637-3|P53_HUMAN DEAPRMPEAAPVAPAPAAPTPAAPAPAPSWPLSSSVPSQKTYQGSYGFRLGFLHSGTAK 120
SP|P04637-4|P53_HUMAN DEAPRMPEAAPVAPAPAAPTPAAPAPAPSWPLSSSVPSQKTYQGSYGFRLGFLHSGTAK 81
SP|P04637-5|P53_HUMAN DEAPRMPEAAPVAPAPAAPTPAAPAPAPSWPLSSSVPSQKTYQGSYGFRLGFLHSGTAK 81
SP|P04637-6|P53_HUMAN DEAPRMPEAAPVAPAPAAPTPAAPAPAPSWPLSSSVPSQKTYQGSYGFRLGFLHSGTAK 81
SP|P04637-7|P53_HUMAN -----
SP|P04637-8|P53_HUMAN -----
SP|P04637-9|P53_HUMAN -----

SP|P04637|P53_HUMAN  SVTCTYSPALNKMFCQLAKTCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTVEVRRCPHHE 180
SP|P04637-2|P53_HUMAN SVTCTYSPALNKMFCQLAKTCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTVEVRRCPHHE 180
SP|P04637-3|P53_HUMAN SVTCTYSPALNKMFCQLAKTCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTVEVRRCPHHE 180
SP|P04637-4|P53_HUMAN SVTCTYSPALNKMFCQLAKTCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTVEVRRCPHHE 141
SP|P04637-5|P53_HUMAN SVTCTYSPALNKMFCQLAKTCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTVEVRRCPHHE 141
SP|P04637-6|P53_HUMAN SVTCTYSPALNKMFCQLAKTCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTVEVRRCPHHE 141
SP|P04637-7|P53_HUMAN -----MFCQLAKTCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTVEVRRCPHHE 48
SP|P04637-8|P53_HUMAN -----MFCQLAKTCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTVEVRRCPHHE 48
SP|P04637-9|P53_HUMAN -----MFCQLAKTCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTVEVRRCPHHE 48
*****

SP|P04637|P53_HUMAN  RCSDSDGLAPPQHLIRVEGNLRVEYLDORNTFRHSVVVPYEPPEVGSDCCTTIHYNMYCNS 240
SP|P04637-2|P53_HUMAN RCSDSDGLAPPQHLIRVEGNLRVEYLDORNTFRHSVVVPYEPPEVGSDCCTTIHYNMYCNS 240
SP|P04637-3|P53_HUMAN RCSDSDGLAPPQHLIRVEGNLRVEYLDORNTFRHSVVVPYEPPEVGSDCCTTIHYNMYCNS 240
SP|P04637-4|P53_HUMAN RCSDSDGLAPPQHLIRVEGNLRVEYLDORNTFRHSVVVPYEPPEVGSDCCTTIHYNMYCNS 201
SP|P04637-5|P53_HUMAN RCSDSDGLAPPQHLIRVEGNLRVEYLDORNTFRHSVVVPYEPPEVGSDCCTTIHYNMYCNS 201
SP|P04637-6|P53_HUMAN RCSDSDGLAPPQHLIRVEGNLRVEYLDORNTFRHSVVVPYEPPEVGSDCCTTIHYNMYCNS 201
SP|P04637-7|P53_HUMAN RCSDSDGLAPPQHLIRVEGNLRVEYLDORNTFRHSVVVPYEPPEVGSDCCTTIHYNMYCNS 108
SP|P04637-8|P53_HUMAN RCSDSDGLAPPQHLIRVEGNLRVEYLDORNTFRHSVVVPYEPPEVGSDCCTTIHYNMYCNS 108
SP|P04637-9|P53_HUMAN RCSDSDGLAPPQHLIRVEGNLRVEYLDORNTFRHSVVVPYEPPEVGSDCCTTIHYNMYCNS 108
*****

SP|P04637|P53_HUMAN  SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGDRDRTEENLRKKGEPHHELP 300
SP|P04637-2|P53_HUMAN SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGDRDRTEENLRKKGEPHHELP 300
SP|P04637-3|P53_HUMAN SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGDRDRTEENLRKKGEPHHELP 300
SP|P04637-4|P53_HUMAN SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGDRDRTEENLRKKGEPHHELP 261
SP|P04637-5|P53_HUMAN SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGDRDRTEENLRKKGEPHHELP 261
SP|P04637-6|P53_HUMAN SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGDRDRTEENLRKKGEPHHELP 261
SP|P04637-7|P53_HUMAN SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGDRDRTEENLRKKGEPHHELP 168
SP|P04637-8|P53_HUMAN SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGDRDRTEENLRKKGEPHHELP 168
SP|P04637-9|P53_HUMAN SCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGDRDRTEENLRKKGEPHHELP 168
*****

SP|P04637|P53_HUMAN  PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQIRGRERFEMFRELNEALELKDAQAGKEPG 360
SP|P04637-2|P53_HUMAN PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQDQTSFQKENC----- 341
SP|P04637-3|P53_HUMAN PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQMLDLRWYCYFLINSS----- 346
SP|P04637-4|P53_HUMAN PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQIRGRERFEMFRELNEALELKDAQAGKEPG 321
SP|P04637-5|P53_HUMAN PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQDQTSFQKENC----- 302
SP|P04637-6|P53_HUMAN PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQMLDLRWYCYFLINSS----- 307
SP|P04637-7|P53_HUMAN PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQIRGRERFEMFRELNEALELKDAQAGKEPG 228
SP|P04637-8|P53_HUMAN PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQDQTSFQKENC----- 209
SP|P04637-9|P53_HUMAN PGSTKRALPNNTSSSPQPKKKPLDGEYFTLQMLDLRWYCYFLINSS----- 214
*****

SP|P04637|P53_HUMAN  GSRAHSSHLKSKKGQSTSRHKLMFKTEGPDS 393
SP|P04637-2|P53_HUMAN -----
SP|P04637-3|P53_HUMAN -----
SP|P04637-4|P53_HUMAN GSRAHSSHLKSKKGQSTSRHKLMFKTEGPDS 354
SP|P04637-5|P53_HUMAN -----
SP|P04637-6|P53_HUMAN -----
SP|P04637-7|P53_HUMAN GSRAHSSHLKSKKGQSTSRHKLMFKTEGPDS 261
SP|P04637-8|P53_HUMAN -----
SP|P04637-9|P53_HUMAN -----

```

FIG. 35

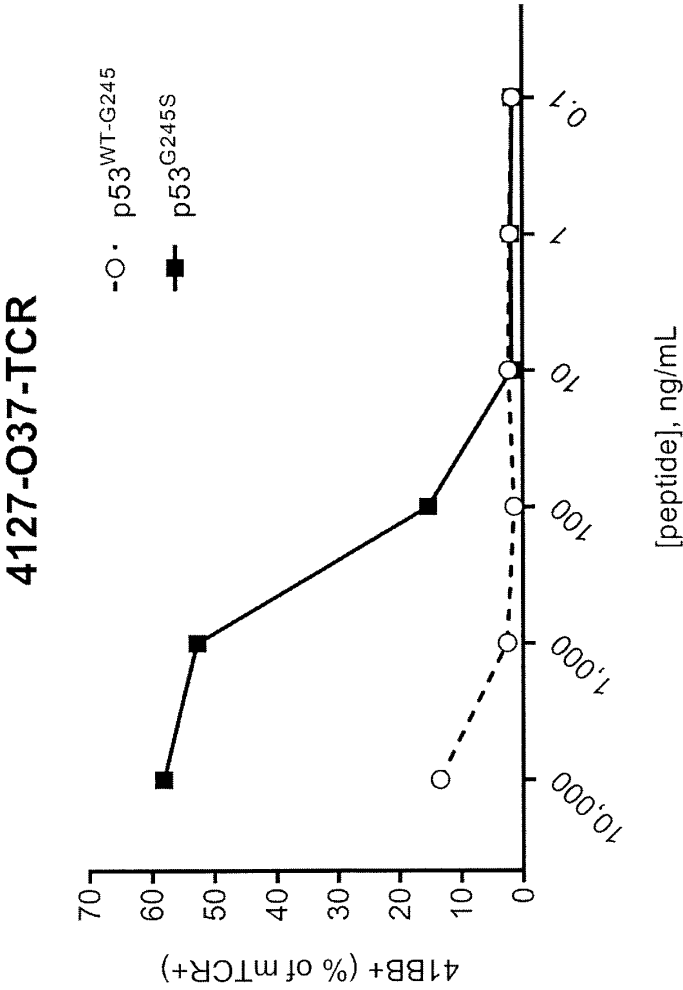


FIG. 36

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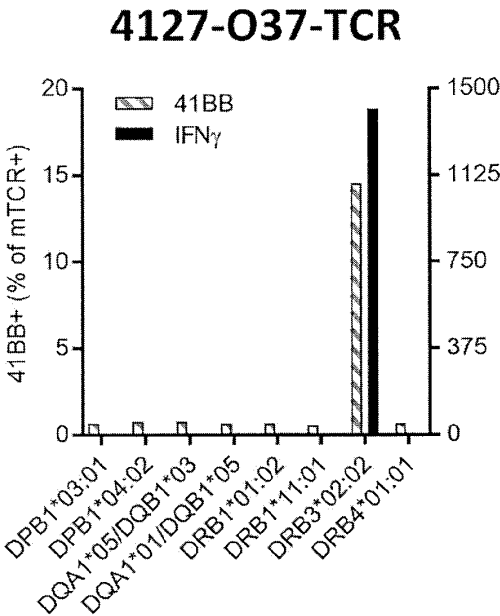


FIG. 37A

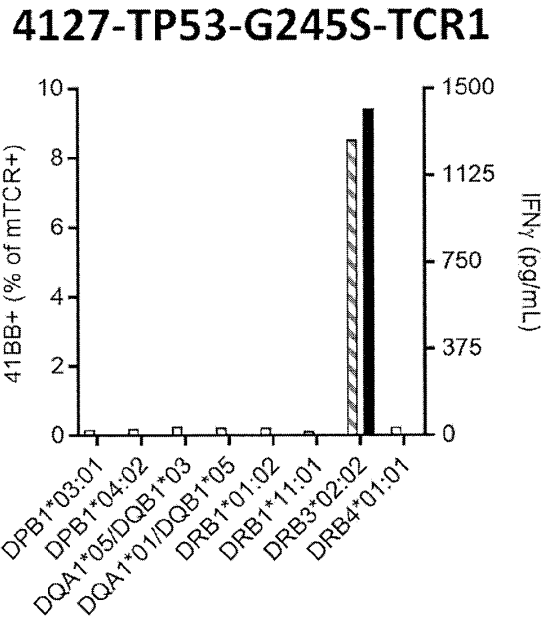


FIG. 37B

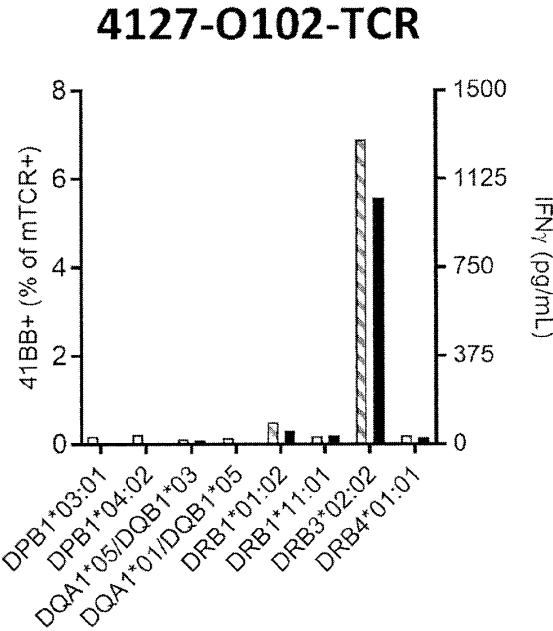


FIG. 37C

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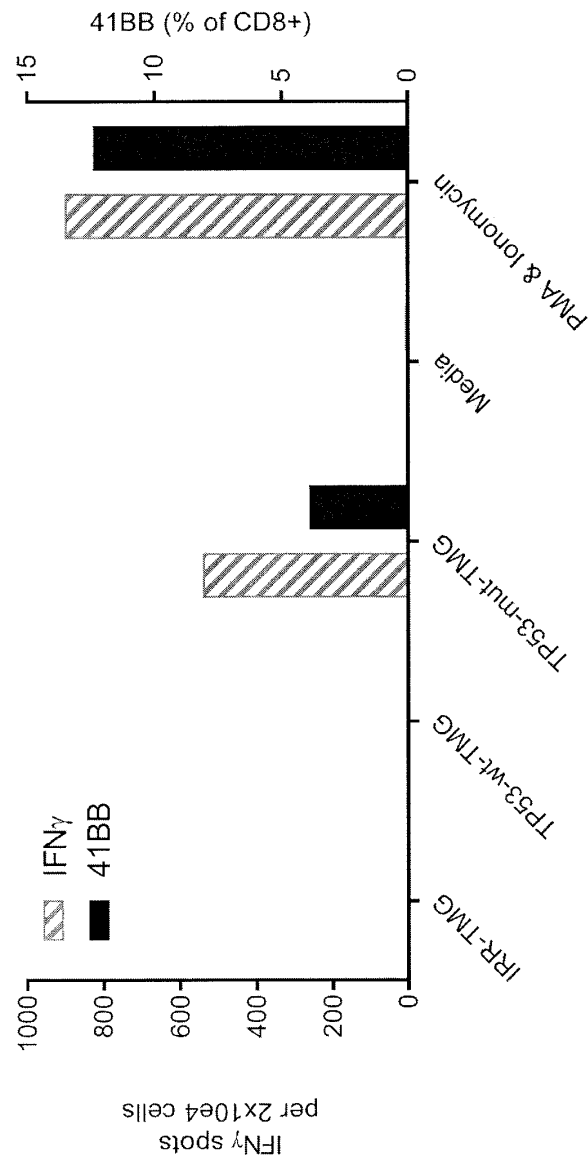


FIG. 38

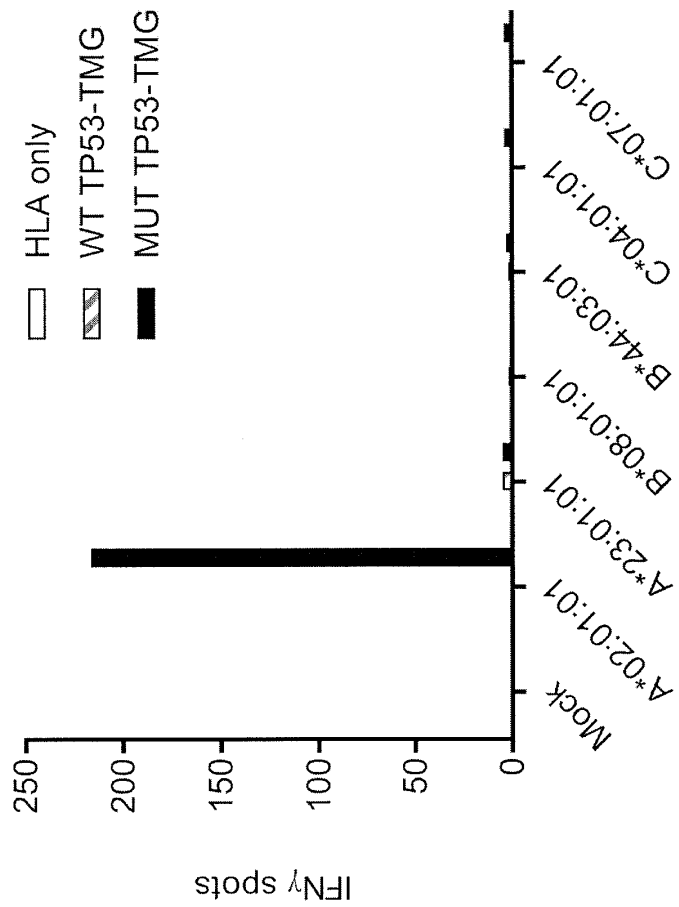


FIG. 39

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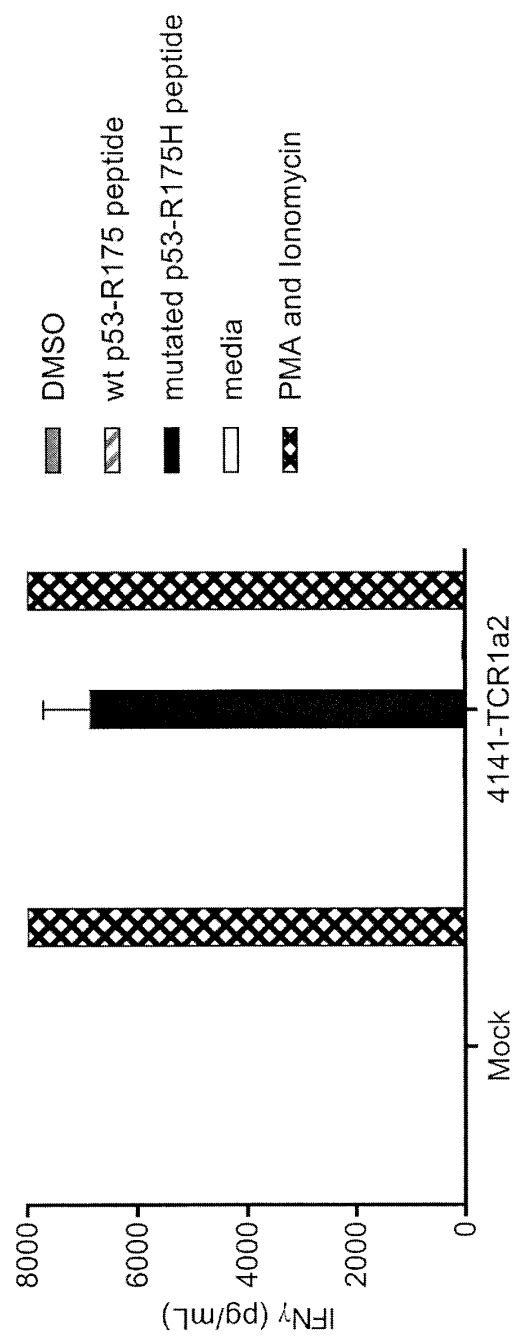


FIG. 40

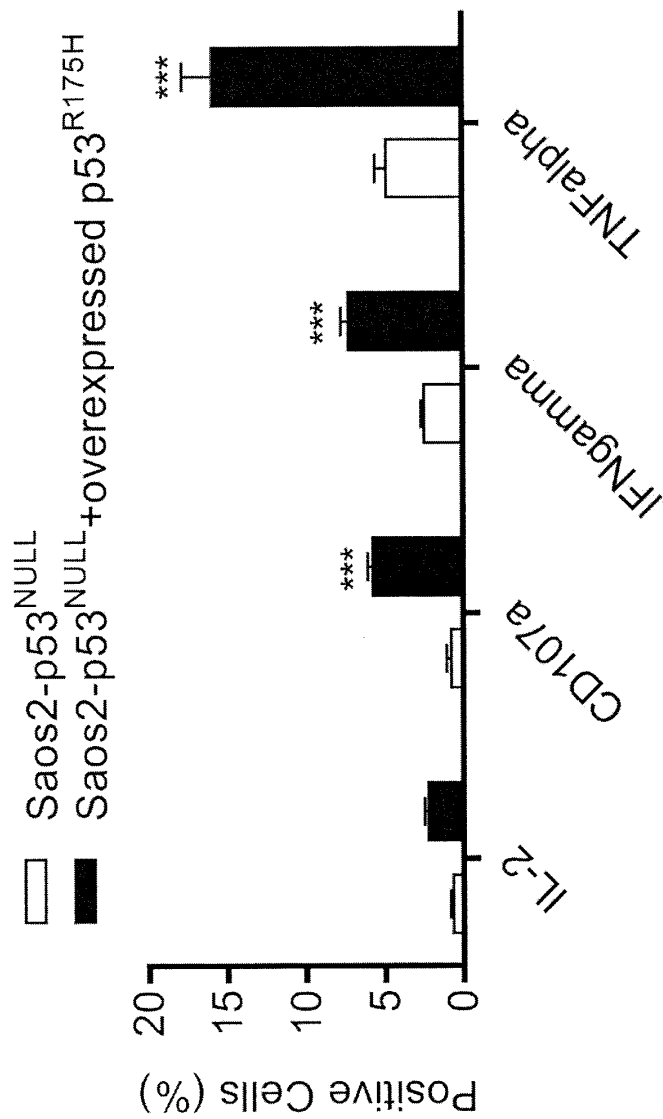


FIG. 41

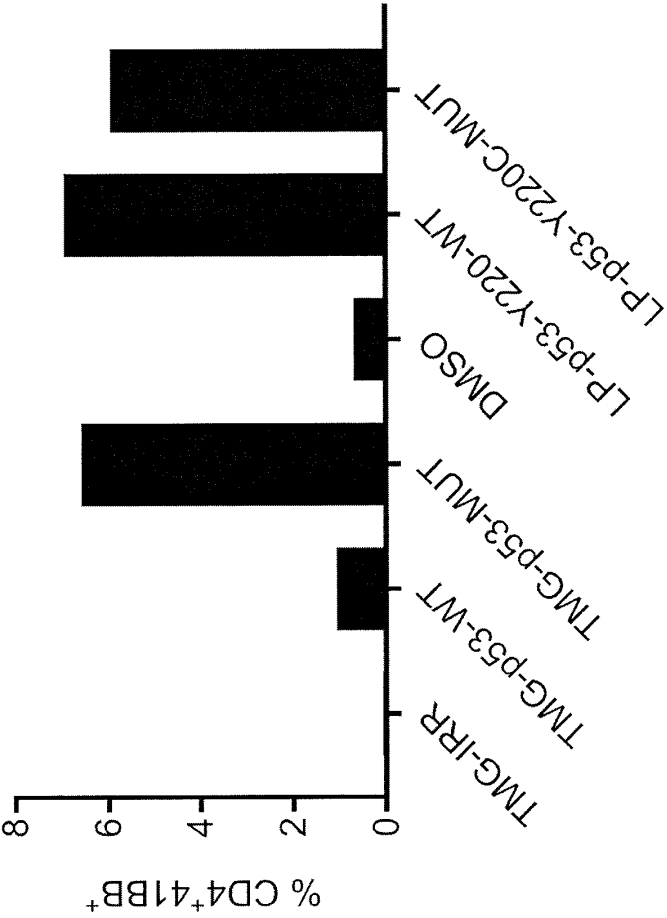


FIG. 42

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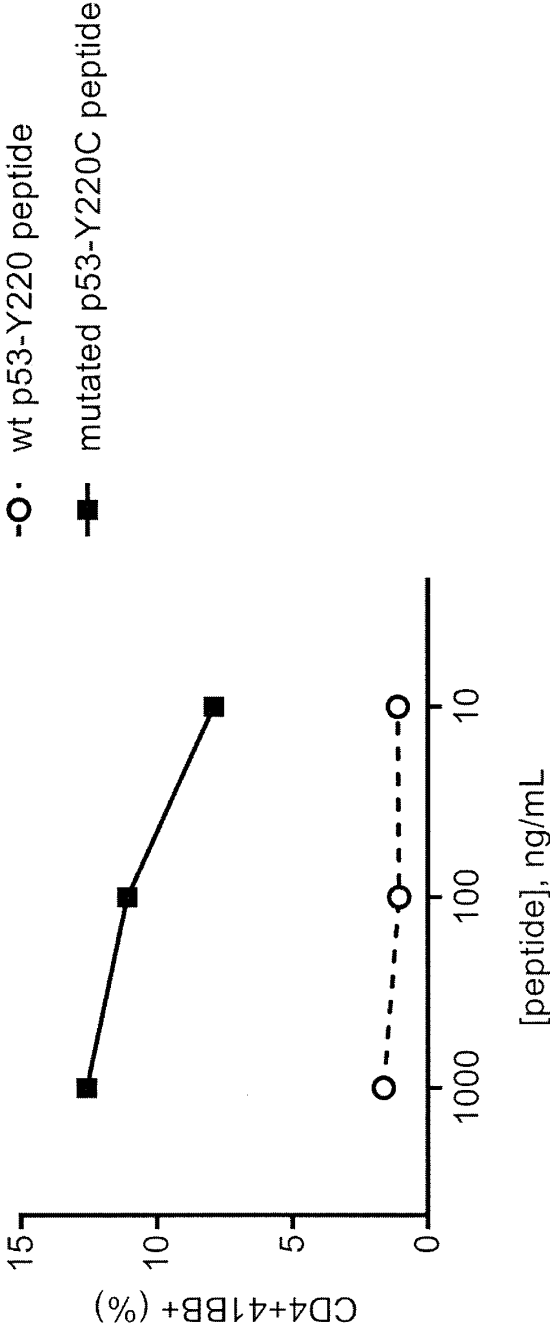
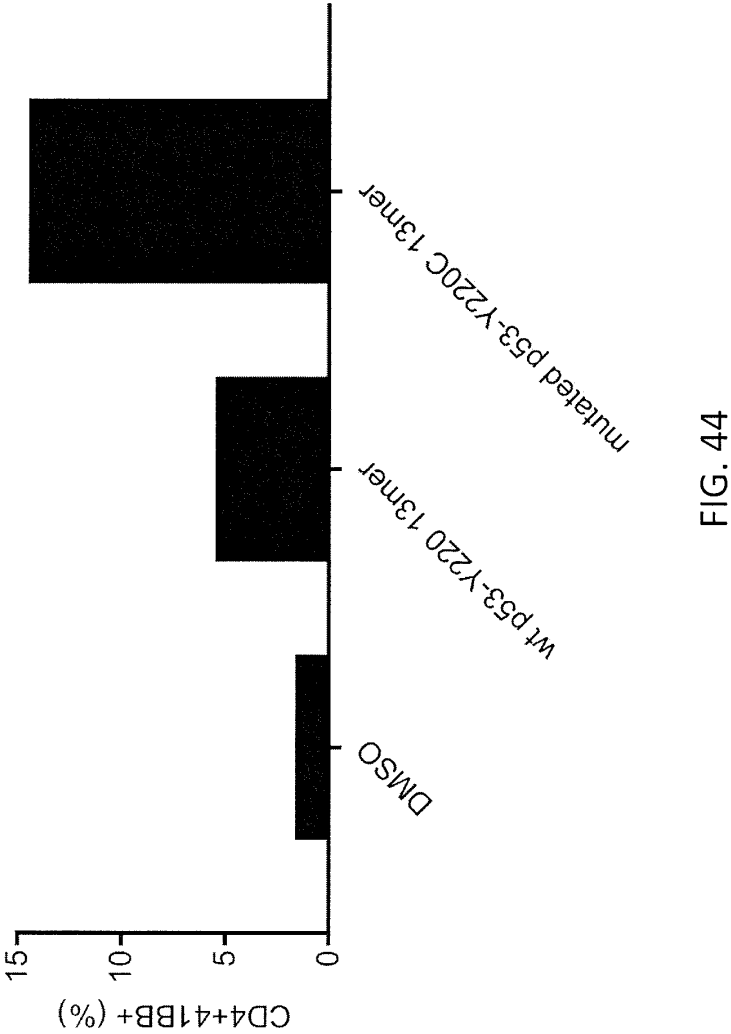


FIG. 43



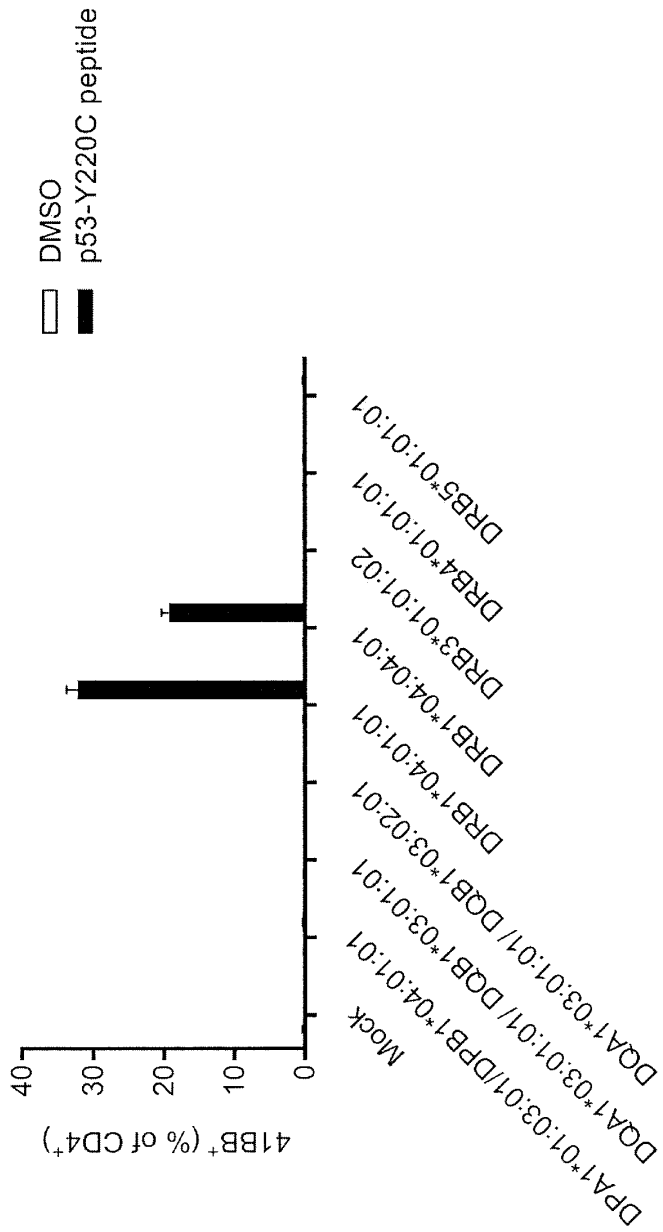


FIG. 45

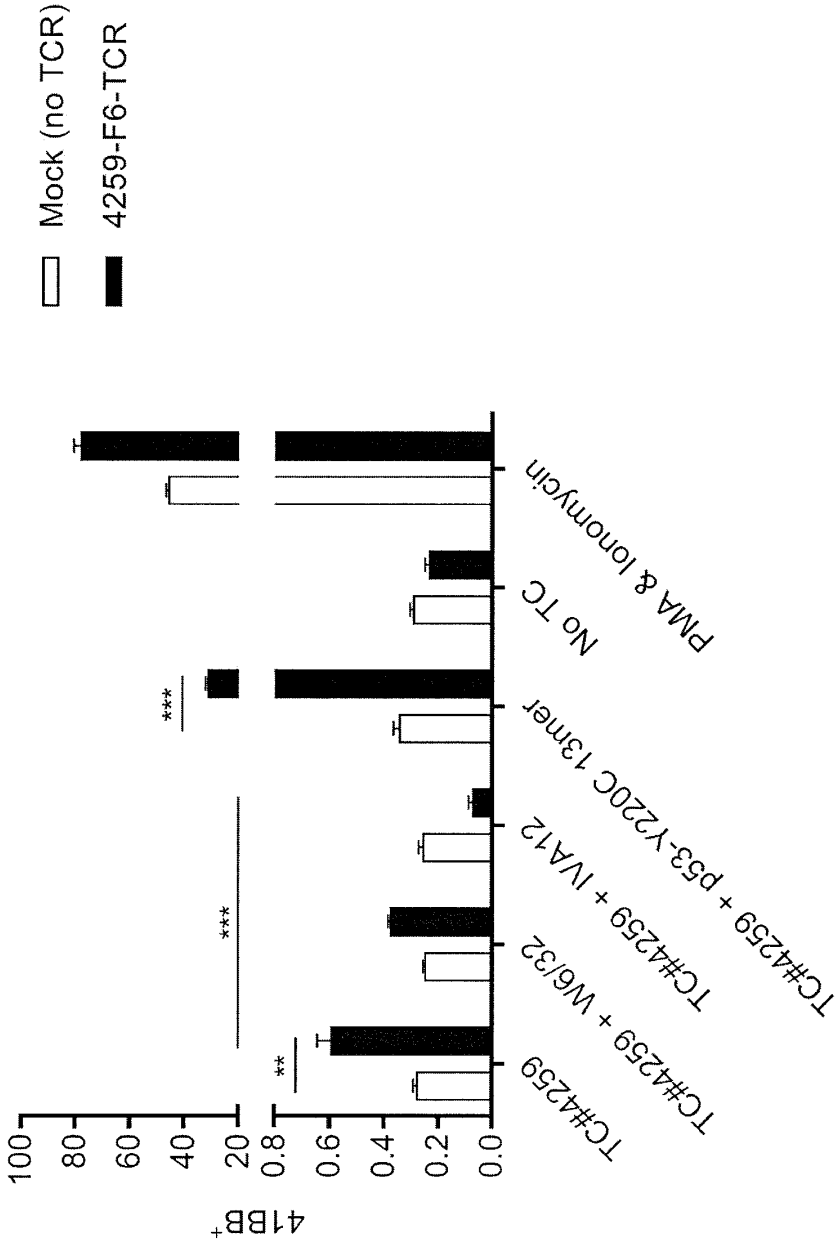


FIG. 46

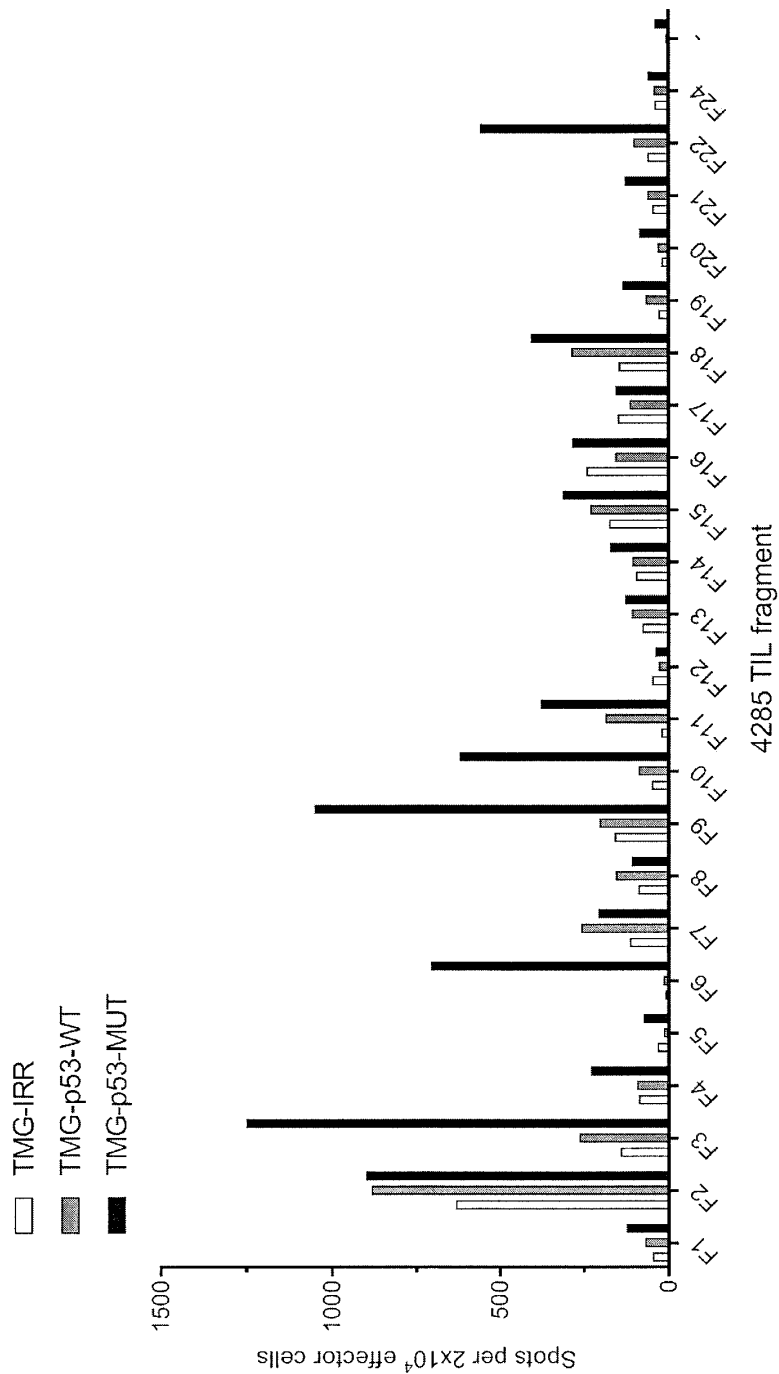


FIG. 47

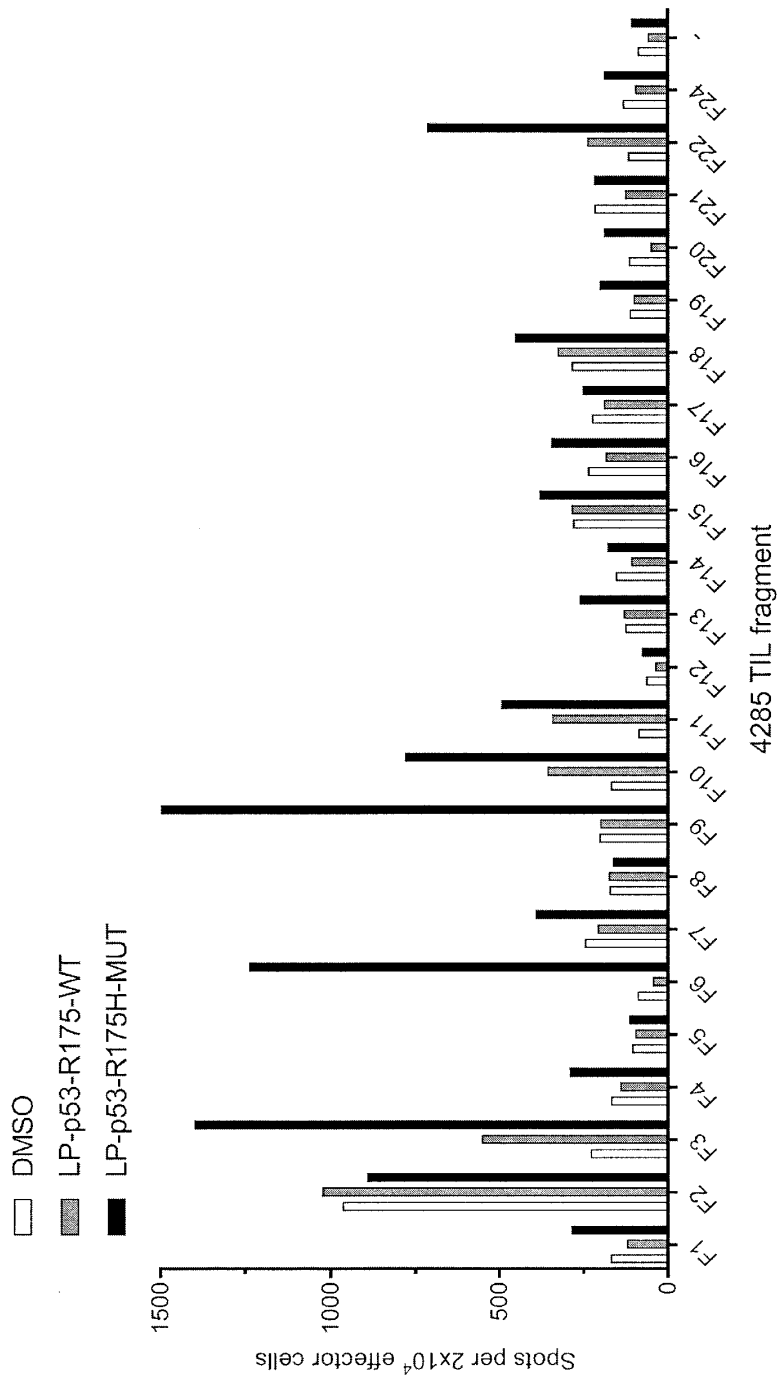


FIG. 48

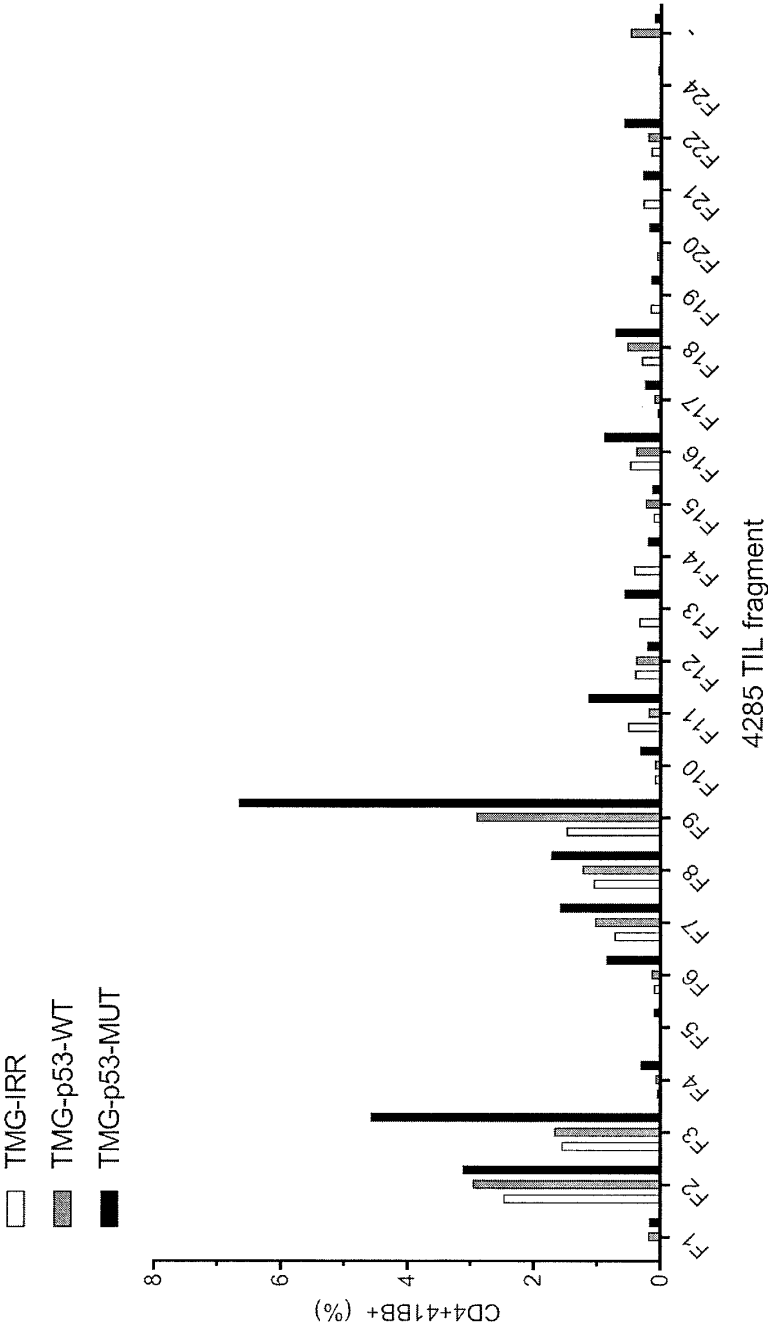


FIG. 49

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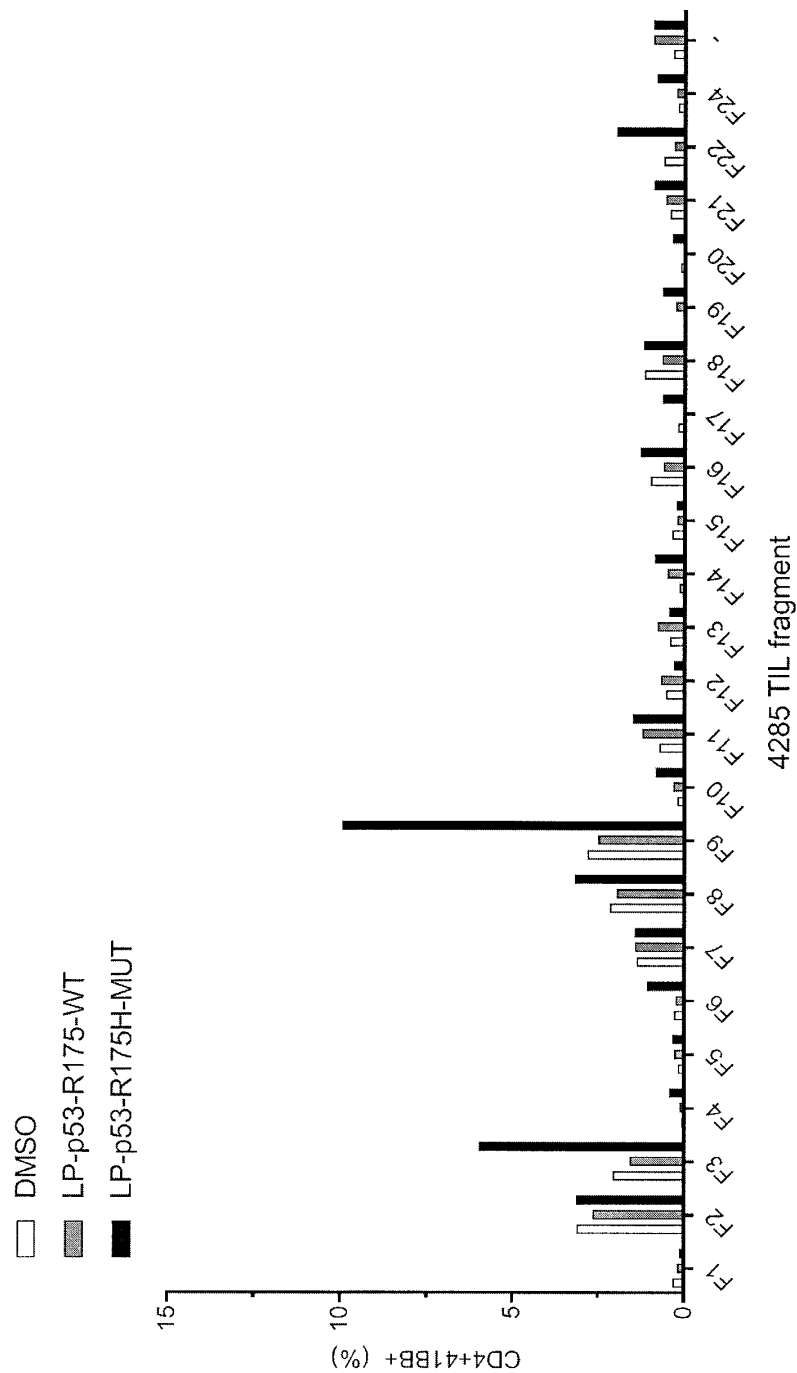


FIG. 50

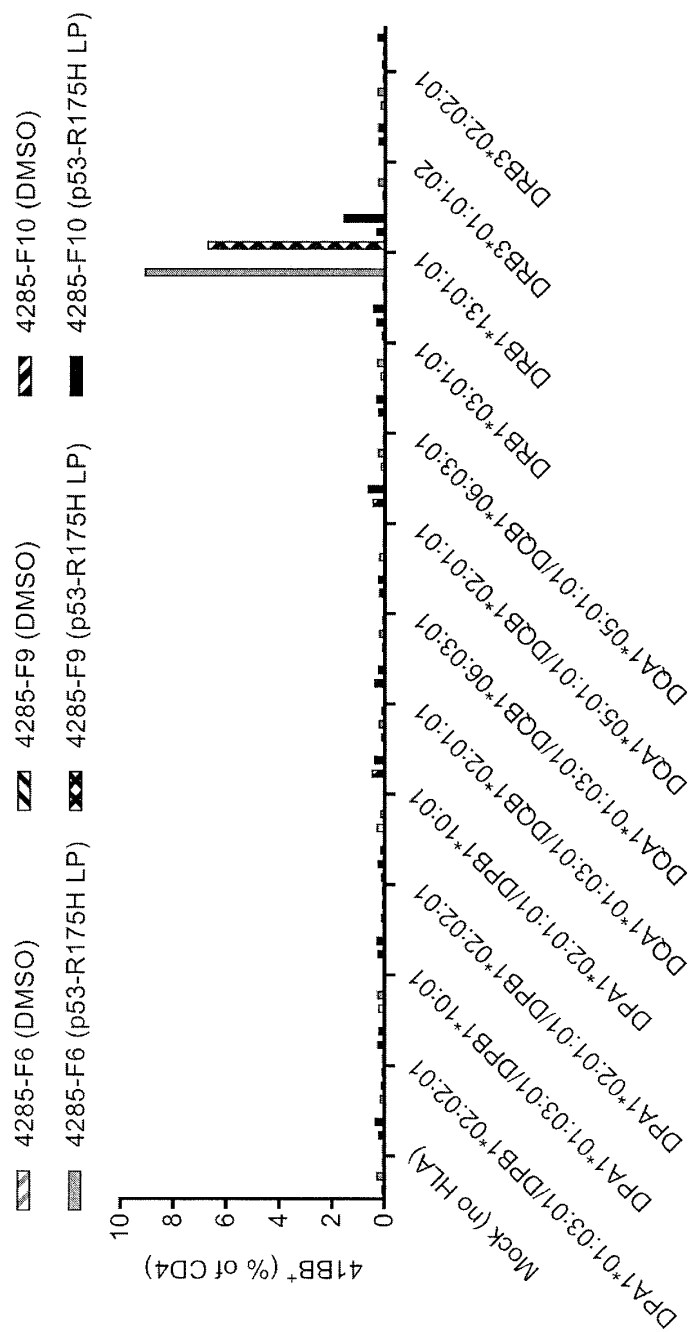


FIG. 51

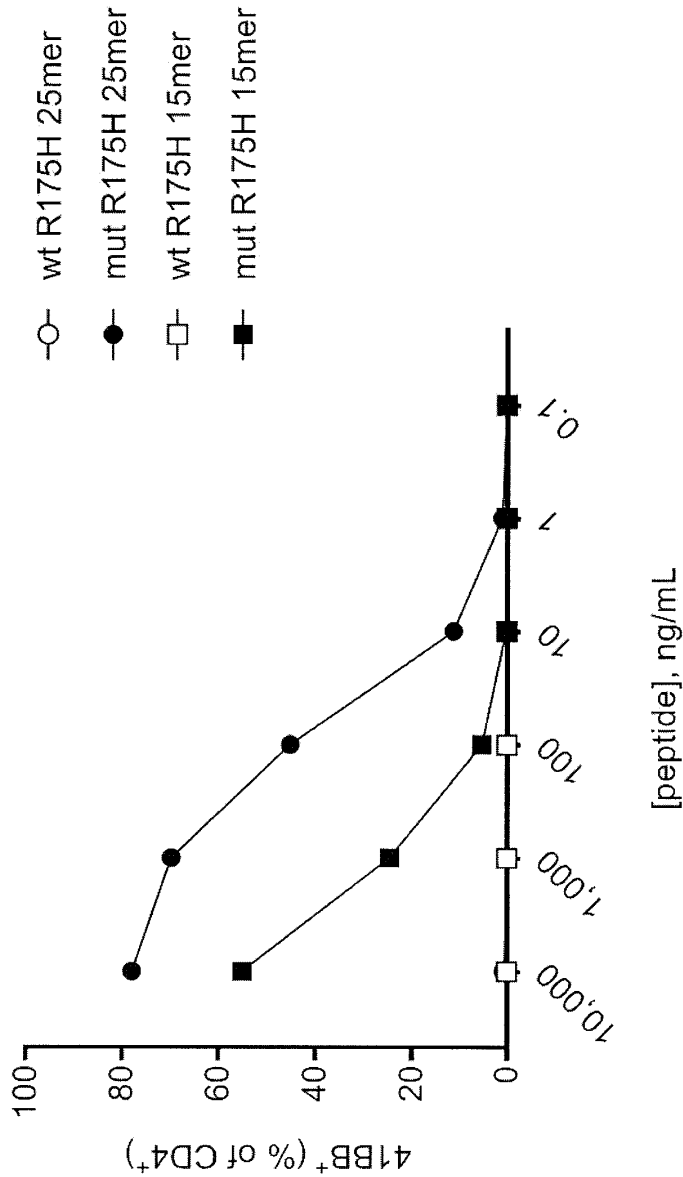


FIG. 52

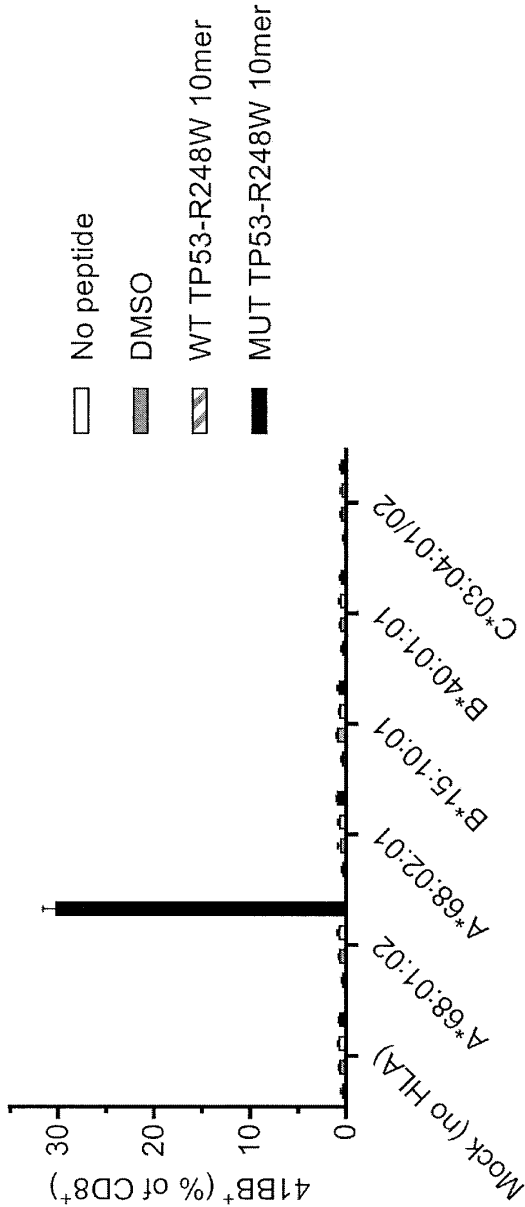


FIG. 53

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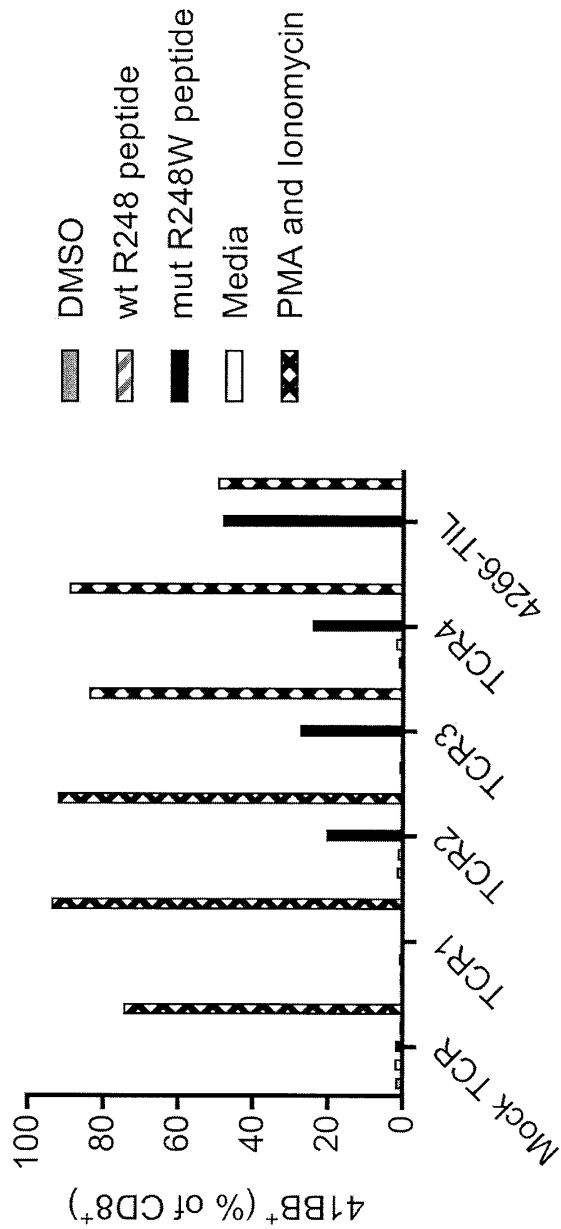


FIG. 54

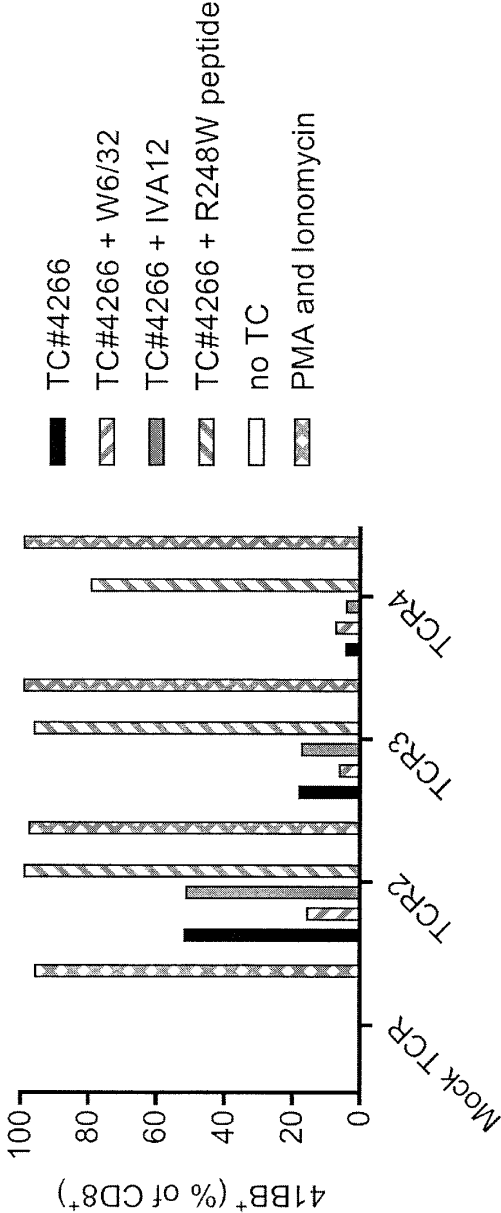


FIG. 55

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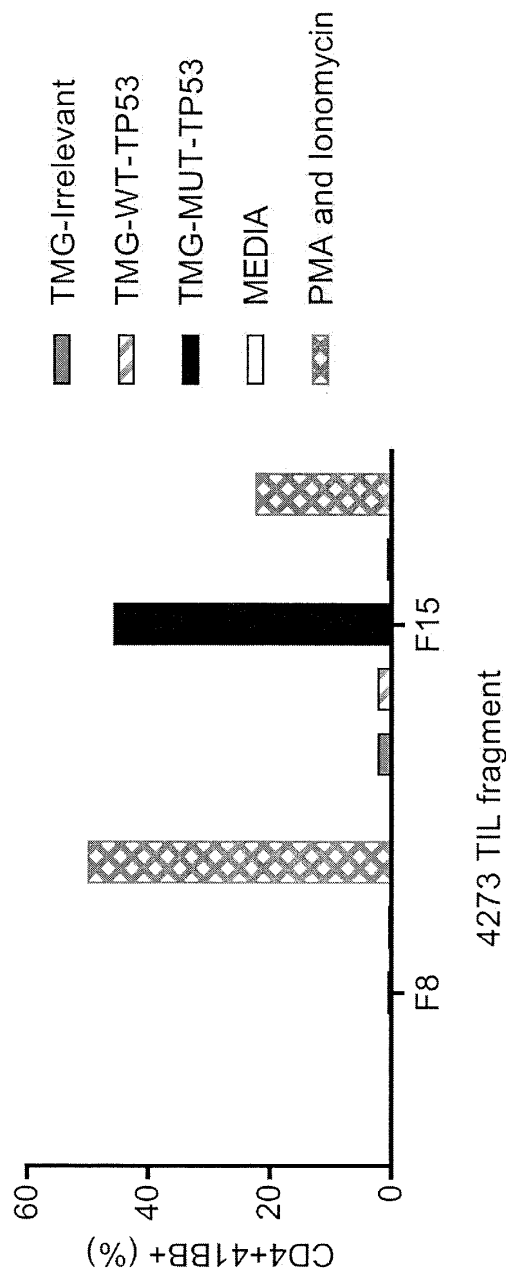


FIG. 56

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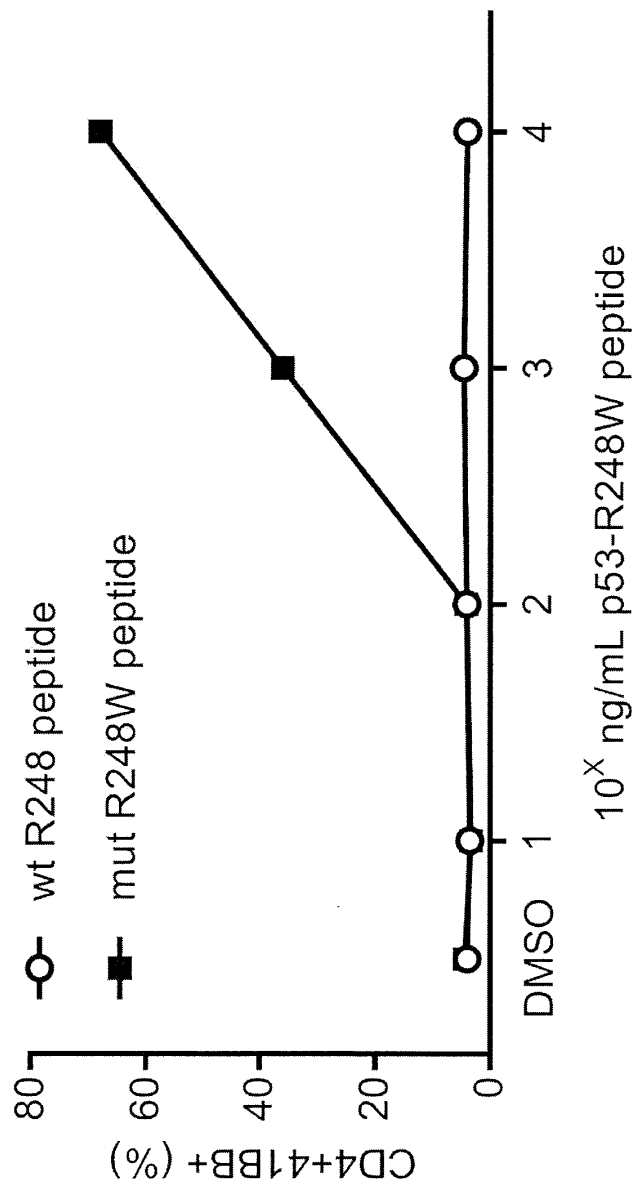


FIG. 57

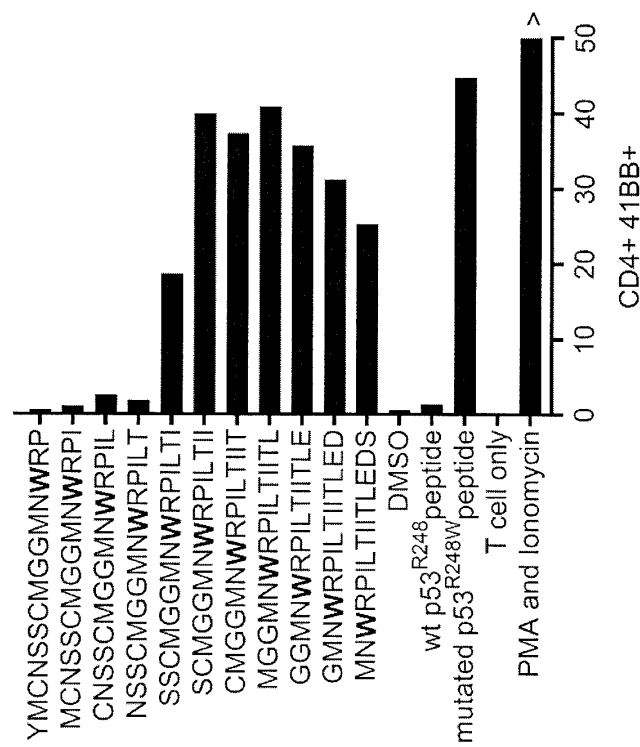


FIG. 58

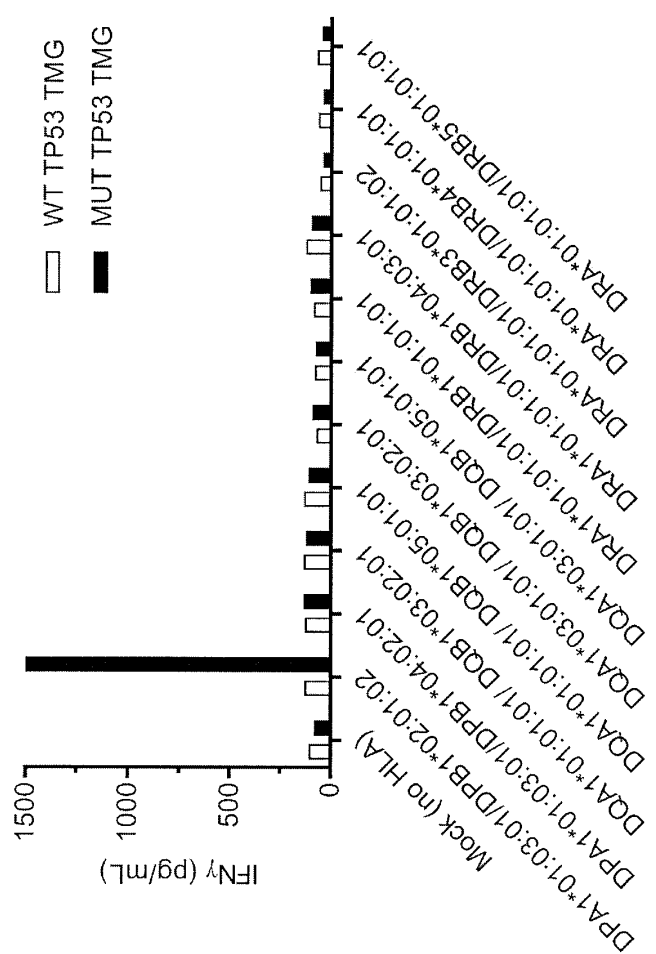


FIG. 59

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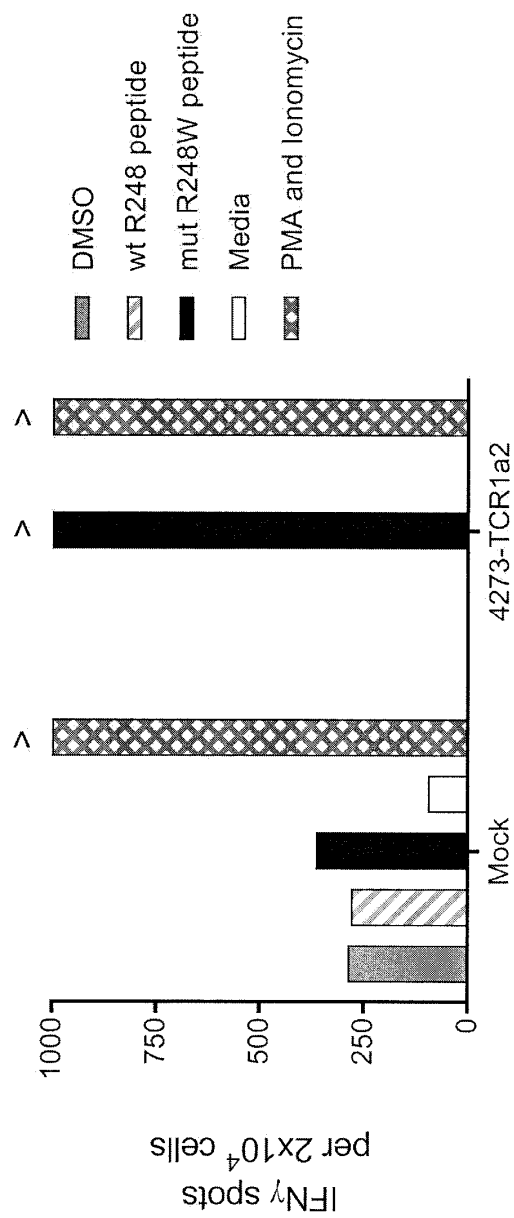


FIG. 60