

**FIGURE 1**

(SEQ ID No. 1)

|                    |                    |                     |             |            |
|--------------------|--------------------|---------------------|-------------|------------|
| MKRILGALLG         | LLSAQVCCVR         | GIQVEQSPPD          | LILQEGANST  | LRCNFSDSVN |
| NLQWFHQNPW         | GQLINLFYIP         | SGTKQNGRLS          | ATTVATERYS  | LLYISSSQTT |
| DSGVYF <b>CAVV</b> | <b>ENNDMREFGAG</b> | <b>TRLTVKPNIQ</b>   | NPDPVAVYQLR | DSKSSDKSVC |
| LFTDFDSQTN         | VSQSKDSDVY         | ITDK <b>CV</b> LDMR | SMDFKSNSAV  | AWSNKSDFAC |
| ANAFNNSIIP         | EDTFFPSPES         | SCDVKLVEKS          | FETDTNLNFQ  | NLSVIGFRIL |
| LLKVAGFNLL         | MTLRLWSS           |                     |             |            |

**FIGURE 2**

(SEQ ID No. 2)

|            |                    |                   |                    |            |
|------------|--------------------|-------------------|--------------------|------------|
| MGCRLCCAV  | LCLLGAVPID         | TEVTQTPKHL        | VMGMTNKKSL         | KCEQHMGHRA |
| MYWYKQKAKK | PPELMFVYSY         | EKLSINESVP        | SRFSPEC PNS        | SLLNLHLHAL |
| QPEDSALYLC | ASS <b>PGRWYEQ</b> | <b>YFGPGTRLTV</b> | <b>TEDLKNVFPP</b>  | EVAVFEPSEA |
| EISHTQKATL | VCLATGFYPD         | HVELSWWVNG        | KEVHSGV <b>CTD</b> | PQPLKEQPAL |
| NDSRYCLSSR | LRVSATFWQN         | PRNHFERCQVQ       | FYGLSENDEW         | TQDRAKPVTQ |
| IVSAEAWGRA | DCGFTSESYQ         | QGVLSATILY        | EILLGKATLY         | AVLVSALVLM |
| AMVKRKDSRG |                    |                   |                    |            |

**FIGURE 3**

(SEQ ID No. 3)

|            |                    |                   |                   |            |
|------------|--------------------|-------------------|-------------------|------------|
| MKRILGALLG | LLSAQVCCVR         | GIQVEQSPPD        | LILQEGANST        | LRCNFSDSVN |
| NLQWFHQNPW | GQLINLFYIP         | SGTKQNGRLS        | ATTVATERYS        | LLYISSSQTT |
| DSGVYFCVV  | ENNDMREFGAG        | TRLTVKPNIQ        | NPDPVAVYQLR       | DSKSSDKSVC |
| LFTDFDSQTN | VSQSKDSDVY         | ITDKCVLDMR        | SMDFKSNSAV        | AWSNKSDFAC |
| ANAFNNSIIP | EDTFFPSPES         | SCDVKLVEKS        | FETDTNLNFQ        | NLSVIGFRIL |
| LLKVAGFNLL | MTLRLWSS <b>GS</b> | <b>GATNFSLLKQ</b> | <b>AGDVEENPGP</b> | MGCRLCCAV  |
| LCLLGAVPID | TEVTQTPKHL         | VMGMTNKKSL        | KCEQHMGHRA        | MYWYKQKAKK |
| PPELMFVYSY | EKLSINESVP         | SRFSPEC PNS       | SLLNLHLHAL        | QPEDSALYLC |
| ASSPGRWYEQ | YFGPGTRLTV         | TEDLKNVFPP        | EVAVFEPSEA        | EISHTQKATL |
| VCLATGFYPD | HVELSWWVNG         | KEVHSGVCTD        | PQPLKEQPAL        | NDSRYCLSSR |
| LRVSATFWQN | PRNHFERCQVQ        | FYGLSENDEW        | TQDRAKPVTQ        | IVSAEAWGRA |
| DCGFTSESYQ | QGVLSATILY         | EILLGKATLY        | AVLVSALVLM        | AMVKRKDSRG |

**FIGURE 4**

(SEQ ID No. 4)

ATGAAGAGAATCCTGGGCGCCCTGCTGGGSCCTGCTGTCCGCCCCAGGTGTGCTGCGTG  
CGGGGCATCCAGGTGGAGCAGAGCCCCCTGACCTGATCCTGCAGGAAGGCGCCAAC  
AGCACCCCTGCGGTGCAACTTCAGCGACAGCGTGAACAACCTGCAGTGGTTCCACCAG  
AACCCCTGGGGCCAGCTGATCAACCTGTTCTACATCCCCAGCGGCACCAAGCAGAAC  
GGCAGACTGAGCGCCACCACCGTGGCCACCGAGCGGTACAGCCTGCTGTACATCAGC  
AGCAGCCAGACCACCGACAGCGGCGTGTACTTCTG**CGCCGTGGTGGAGAACAACGAC**  
**ATGAGATTCGGAGCCGGCACCCGGCTGACCGTGAAGCCCA**ACATCCAGAACCCCGAC  
CCCGCCGTGTACCAGCTGCGGGACAGCAAGAGCAGCGACAAGAGCGTGTGCCTGTTC  
ACCGACTTCGACTCCCAGACCAACGTGTCCAGAGCAAGGACTCCGACGTGTACATC  
ACCGACAAGTGCCTGCTGGACATGCGGAGCATGGACTTCAAGAGCAACAGCGCCGTG  
GCCTGGTCCAACAAGAGCGACTTCGCCTGCGCCAACGCCTTCAACAACAGCATCATC  
CCCGAGGACACCTTTTTTCCCCAGCCCCGAGAGCAGCTGCGACGTGAAACTGGTGGAG  
AAGTCCTTCGAGACAGACACCAACCTGAACTTCCAGAACCTGAGCGTGATCGGCTTC  
AGAATCCTGCTGCTGAAAGTGGCTGGATTCAACCTGCTGATGACCCTGCGGCTGTGG  
AGCAGC

**FIGURE 5**

(SEQ ID No. 5)

ATGGGCTGCCGGCTGCTGTGCTGCGCCGTGCTGTGTCTGCTGGGCGCCGTGCCCATC  
GACACCGAAGTGACCCAGACCCCCAAGCACCTGGTGATGGGCATGACCAACAAGAAA  
AGCCTGAAGTGCAGAGCAGCACATGGGGCCACCGGGCCATGTACTGGTACAAGCAGAAG  
GCCAAGAAACCCCCCGAGCTGATGTTCTGTGTACAGCTACGAGAAGCTGTCCATCAAC  
GAGAGCGTGCCCAGCAGATTCAGCCCTGAGTGCCCCAACTCCTCCCTGCTGAACCTG  
CACCTGCATGCCCTGCAGCCCGAGGACAGCGCCCTGTACCTGTGCGCCAGCAGCCCC  
**GGCAGGTGGTACGAGCAGTACTTCGGCCCTGGCACCAGACTGACAGTGACCGAGGAC**  
CTGAAGAACGTGTTCCCCCCCCGAGGTGGCCGTGTTTCGAGCCCAGCGAGGCCGAGATC  
AGCCACACCCAGAAAGCCACCCTGGTGTGCCTGGCCACCGGCTTCTACCCCGATCAC  
GTGGAGCTGTCTTGGTGGGTGAACGGCAAAGAGGTGCACTCCGGCGTCTGCACCGAC  
CCTCAGCCCCCTGAAAGAGCAGCCCCGCCCTGAACGACAGCCGGTACTGCCTGTCCCTCC  
CGGCTGAGAGTGTCTGCTACATTCTGGCAGAATCCCCGGAACCACTTCCGGTGCCAG  
GTGCAGTTCTACGGCCTGAGCGAGAACGACGAGTGGACCCAGGACAGAGCCAAGCCC  
GTGACCCAGATCGTGTCCGCCGAGGCCTGGGGCAGAGCCGACTGCGGCTTCACCAGC  
GAGAGCTACCAGCAGGGCGTGCTGTCTGCCACCATCCTGTACGAGATCCTGCTGGGC  
AAGGCCACCCTGTACGCCGTGCTGGTGTCCGCCCTGGTGCTGATGGCCATGGTGAAG  
CGGAAGGACAGCAGAGGCTGA

**FIGURE 6**

(SEQ ID No. 6)

ATGAAGAGAATCCTGGGGCGCCCTGCTGGGGCCTGCTGTCCGCCCAGGTGTGCTGCGTG  
 CGGGGCATCCAGGTGGAGCAGAGCCCCCTGACCTGATCCTGCAGGAAGGCGCCAAC  
 AGCACCTTGCAGGTGCAACTTCAGCGACAGCGTGAACAACCTGCAGTGGTTCCACCAG  
 AACCCCTGGGGCCAGCTGATCAACCTGTTCTACATCCCCAGCGGCACCAAGCAGAAC  
 GGCAGACTGAGCGCCACCACCGTGGCCACCGAGCGGTACAGCCTGCTGTACATCAGC  
 AGCAGCCAGACCACCGACAGCGGCGTGTACTTCTGCGCCGTGGTGGAGAACAACGAC  
 ATGAGATTTCGGAGCCGGCACCCTGGCTGACCGTGAAGCCCAACATCCAGAACCCCGAC  
 CCCGCCGTGTACCAGCTGCGGGACAGCAAGAGCAGCGACAAGAGCGTGTGCCTGTTC  
 ACCGACTTCGACTCCCAGACCAACGTGTCCCAGAGCAAGGACTCCGACGTGTACATC  
 ACCGACAAGTGCCTGCTGGACATGCGGAGCATGGACTTCAAGAGCAACAGCGCCGTG  
 GCCTGGTCCAACAAGAGCGACTTCGCCTGCGCCAACGCCTTCAACAACAGCATCATC  
 CCCGAGGACACCTTTTTTCCCCAGCCCCGAGAGCAGCTGCGACGTGAAACTGGTGGAG  
 AAGTCCTTCGAGACAGACACCAACCTGAACTTCCAGAACCTGAGCGTGATCGGCTTC  
 AGAATCCTGCTGCTGAAAGTGGCTGGATTCAACCTGCTGATGACCCTGCGGCTGTGG  
 AGCAGC**GGCAGCGGCGCCACCAACTTCAGCCTGCTGAAGCAGGCCGGCGACGTGGAG**  
**GAAAACCCTGGCCCC**ATGGGCTGCCGGCTGCTGTGCTGCGCCGTGCTGTGTCTGCTG  
 GCGCCGTGCCCATCGACACCGAAGTGACCCAGACCCCCAAGCACCTGGTGATGGGC  
 ATGACCAACAAGAAAAGCCTGAAGTGCGAGCAGCACATGGGCCACCGGGCCATGTAC  
 TGGTACAAGCAGAAGGCCAAGAAACCCCCCGAGCTGATGTTTCGTGTACAGCTACGAG  
 AAGCTGTCCATCAACGAGAGCGTGCCAGCAGATTTCAGCCCTGAGTGCCCCAACTCC  
 TCCCTGCTGAACCTGCACCTGCATGCCCTGCAGCCCGAGGACAGCGCCCTGTACCTG  
 TCGCCAGCAGCCCCGGCAGGTGGTACGAGCAGTACTTCGGCCCTGGCACCAGACTG  
 ACAGTGACCGAGGACCTGAAGAACGTGTTCCCCCCCCGAGGTGGCCGTGTTTCGAGCCC  
 AGCGAGGCCGAGATCAGCCACACCCAGAAAGCCACCCTGGTGTGCCTGGCCACCGGC  
 TTCTACCCCGATCACGTGGAGCTGTCTTGGTGGGTGAACGGCAAAGAGGTGCACTCC  
 GGCCTCTGCACCGACCCTCAGCCCCTGAAAGAGCAGCCCGCCCTGAACGACAGCCGG  
 TACTGCCTGTCTTCCCAGGTGAGAGTGTCTGCTACATTCTGGCAGAATCCCCGGAAC  
 CACTTCCGGTGCCAGGTGCAGTTCTACGGCCTGAGCGAGAACGACGAGTGGACCCAG  
 GACAGAGCCAAGCCCGTGACCCAGATCGTGTCCGCGAGGCCTGGGGCAGAGCCGAC  
 TCGGGCTTCACCAGCGAGAGCTACCAGCAGGGCGTGTCTGTCTGCCACCATCCTGTAC  
 GAGATCCTGCTGGGCAAGGCCACCCTGTACGCCGTGCTGGTGTCCGCCCTGGTGCTG  
 ATGGCCATGGTGAAGCGGAAGGACAGCAGAGGCTGA

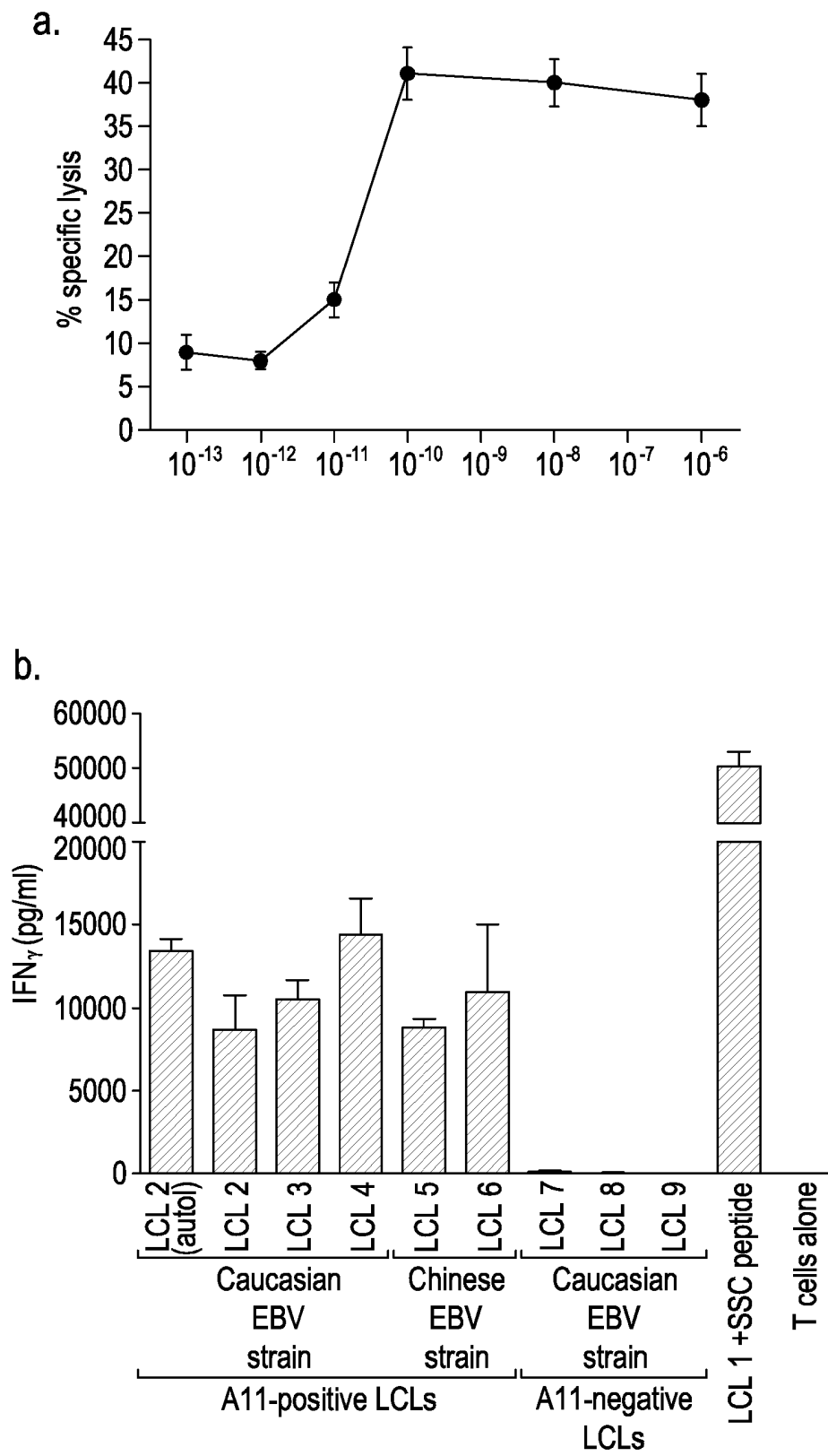
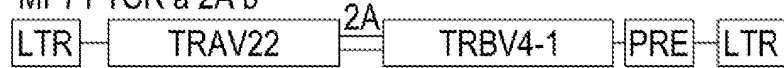
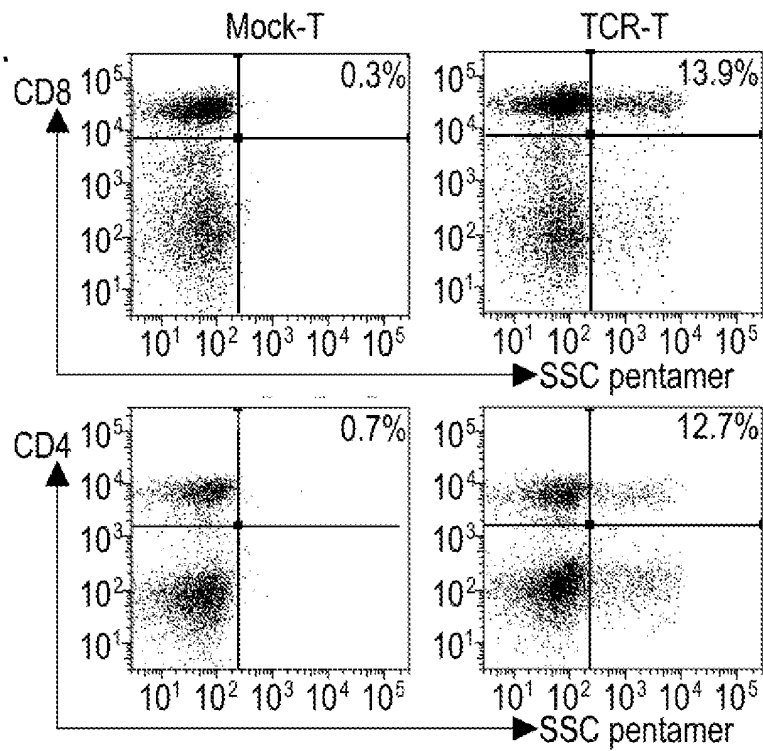


Figure 7

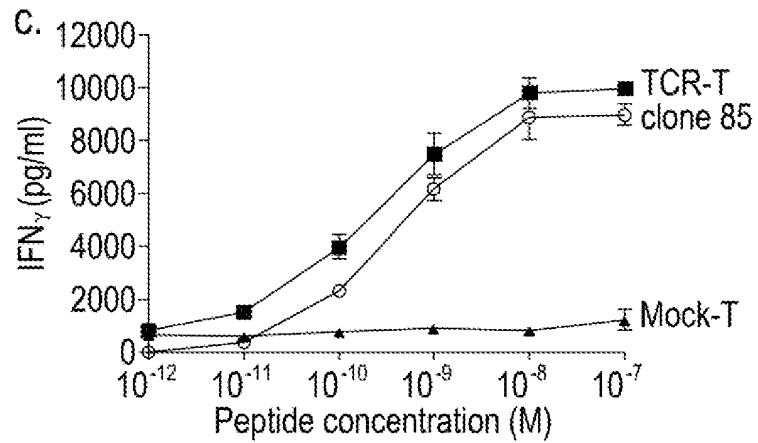
a. MP71 TCR a 2A b



b.



c.



d.

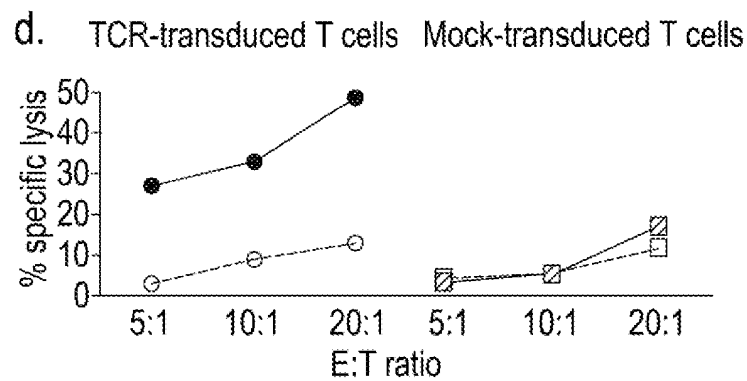


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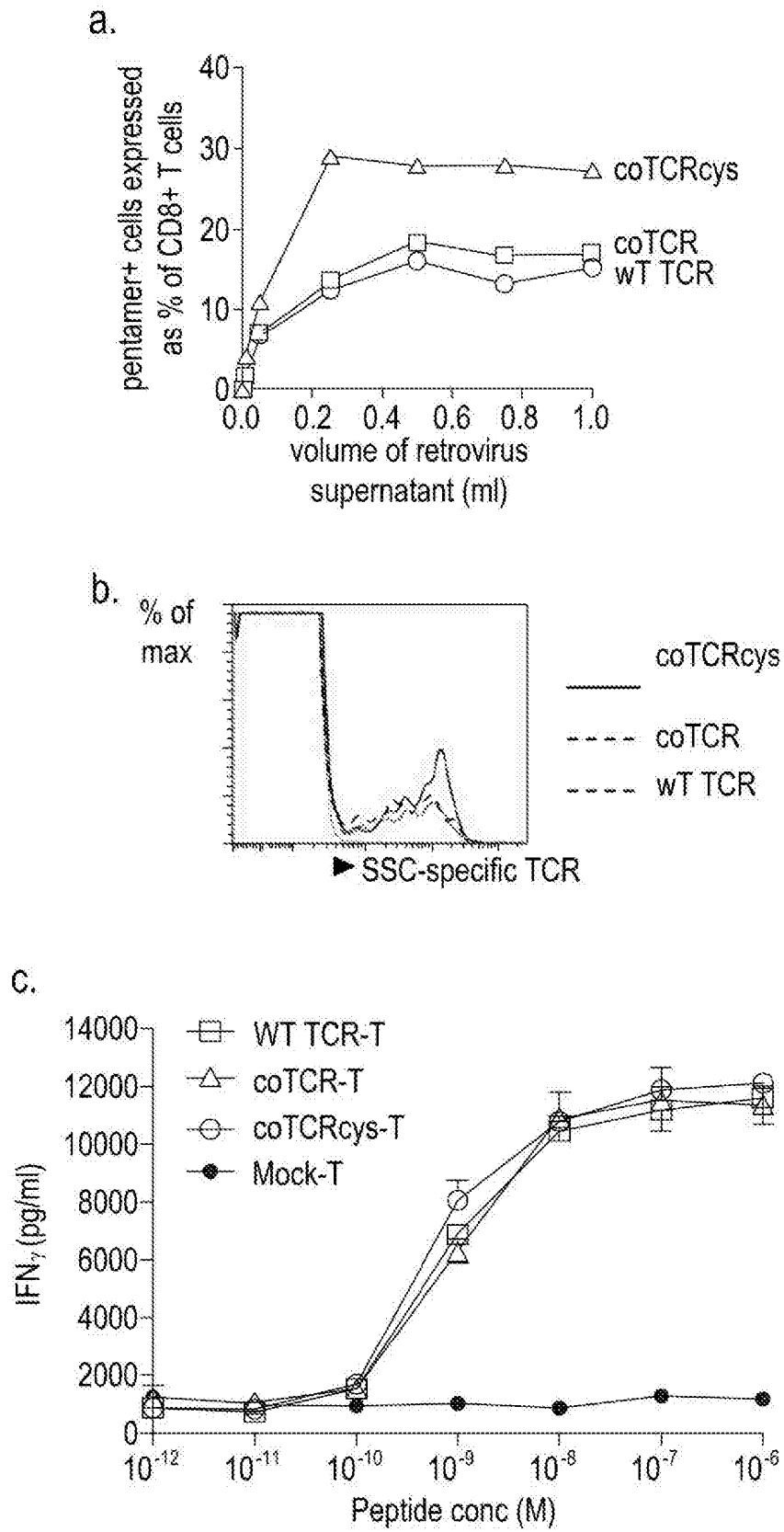


Figure 9

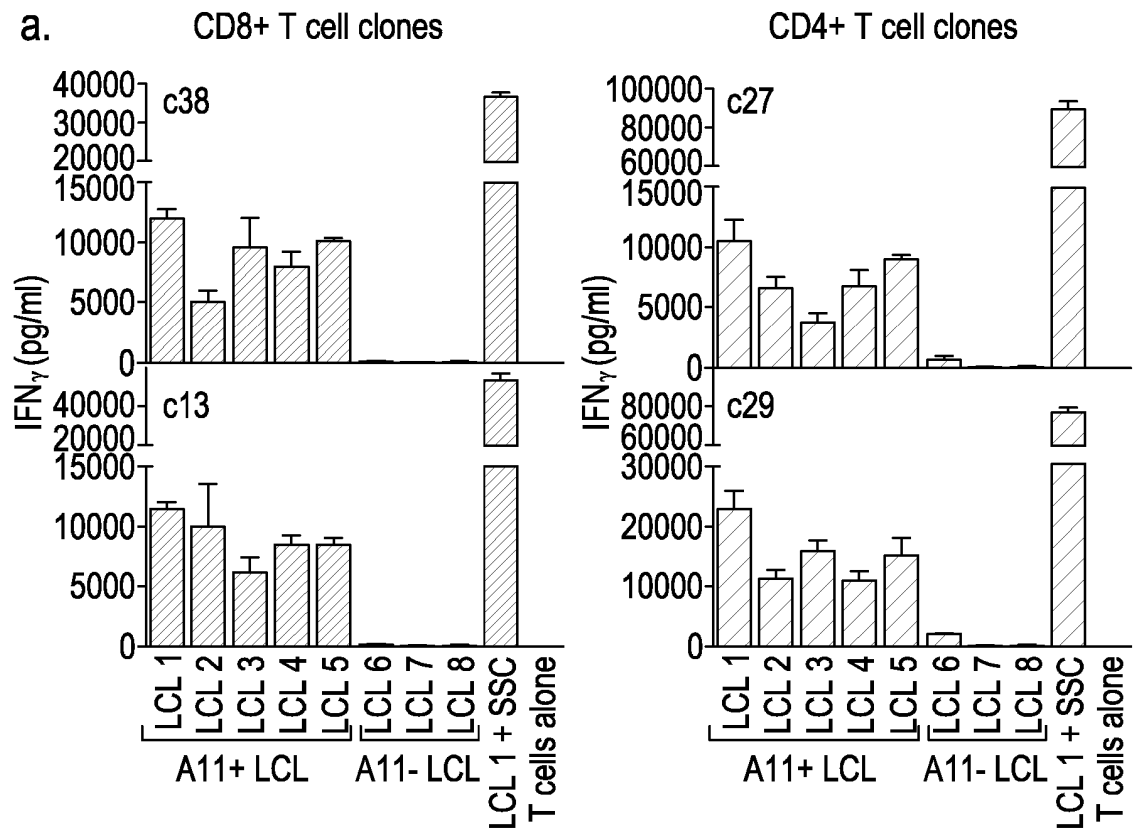
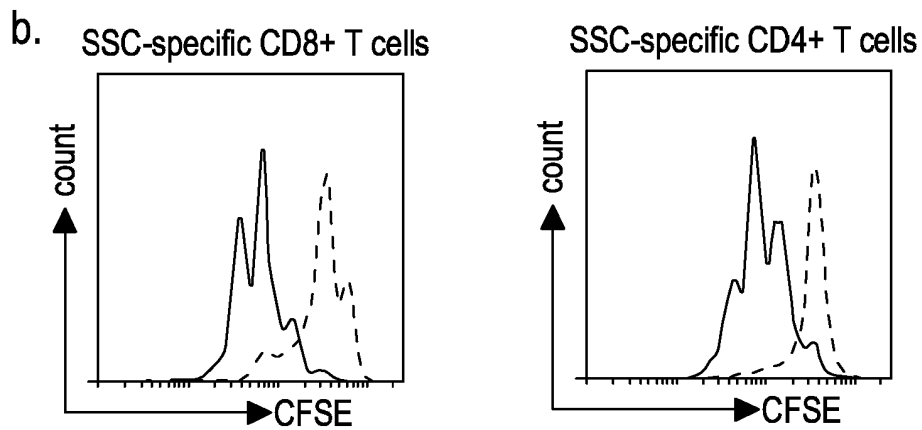
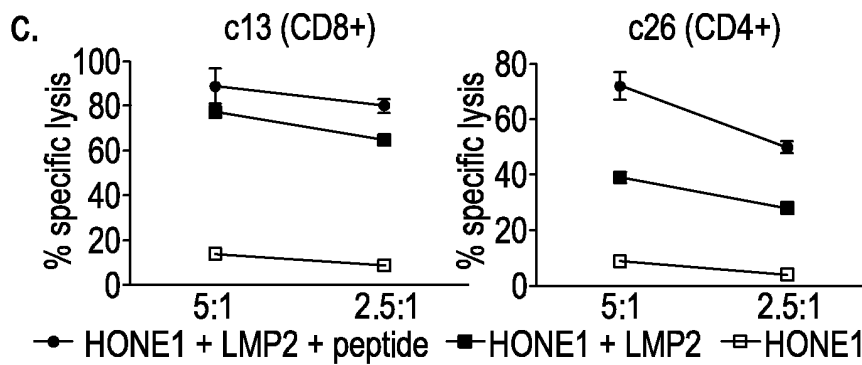


Figure 10

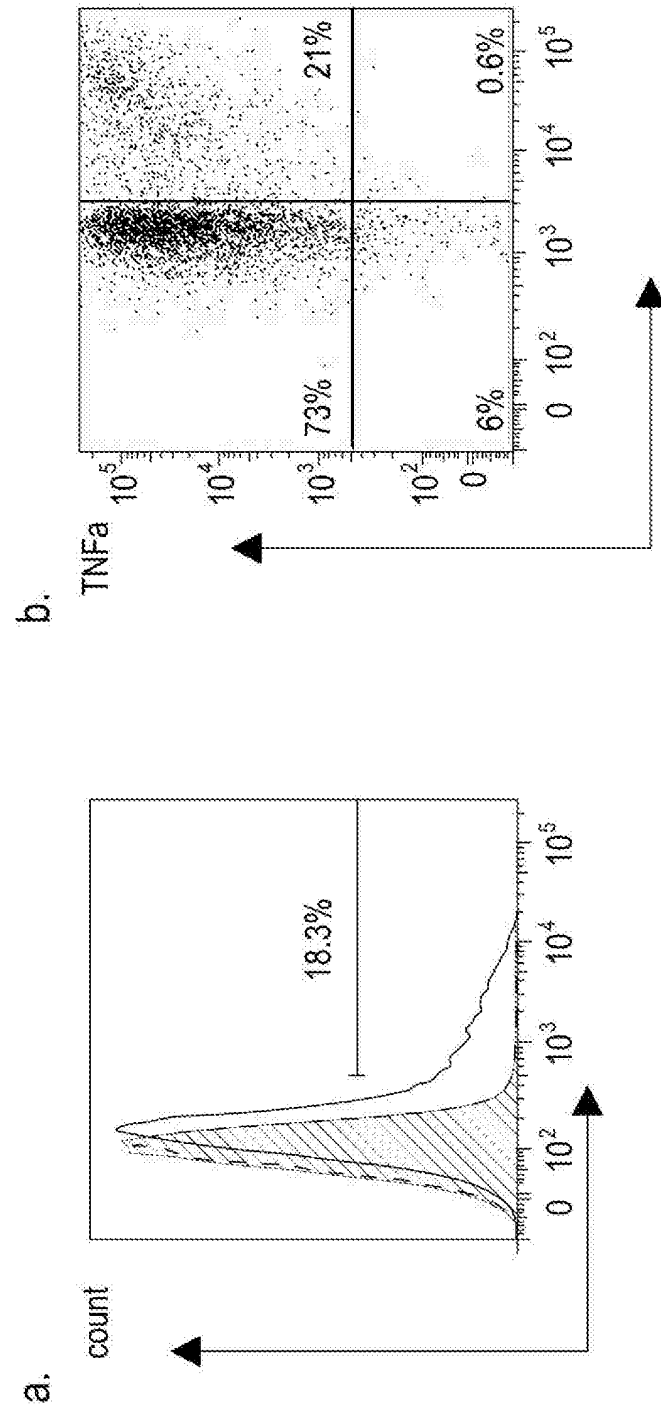


Figure 11

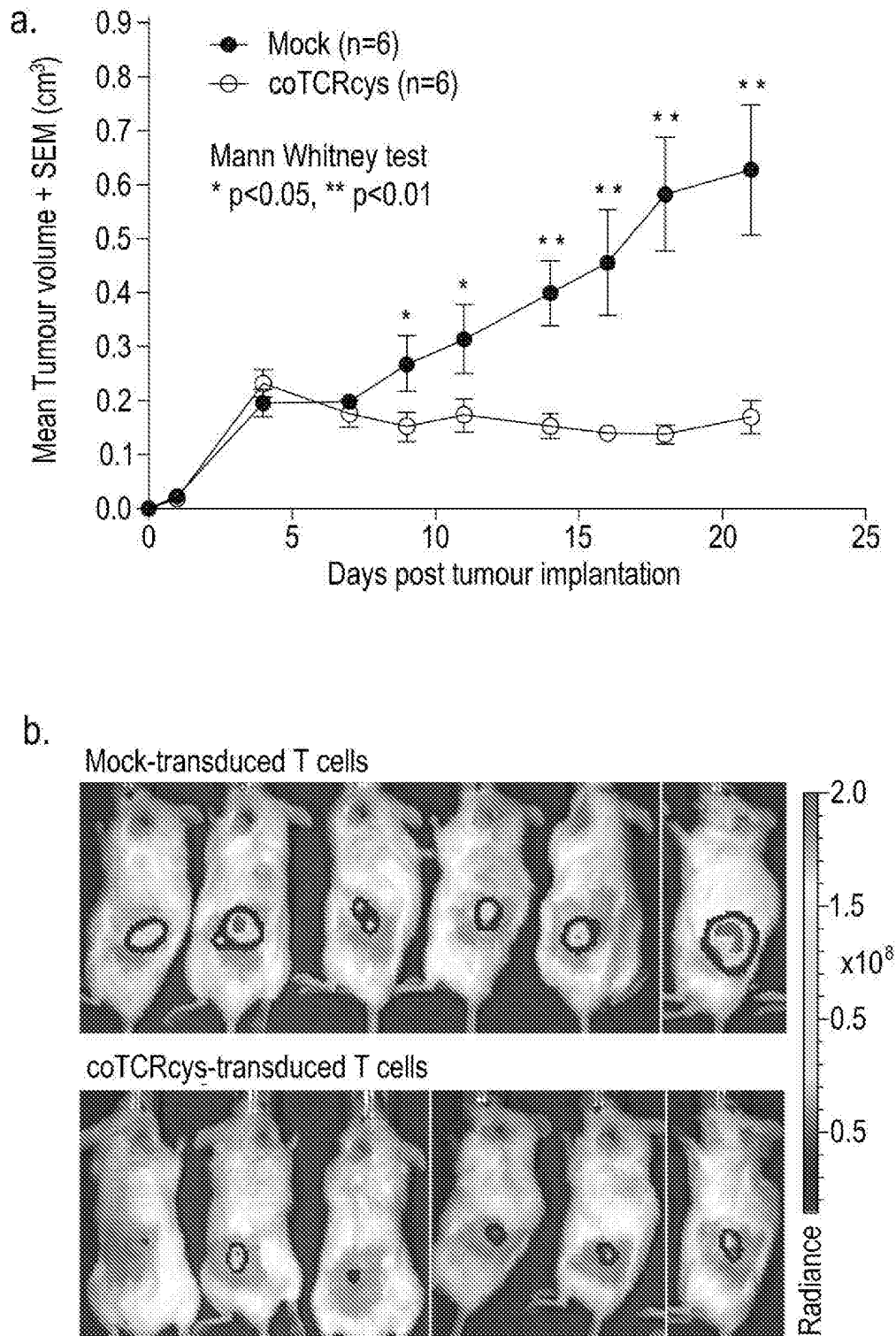


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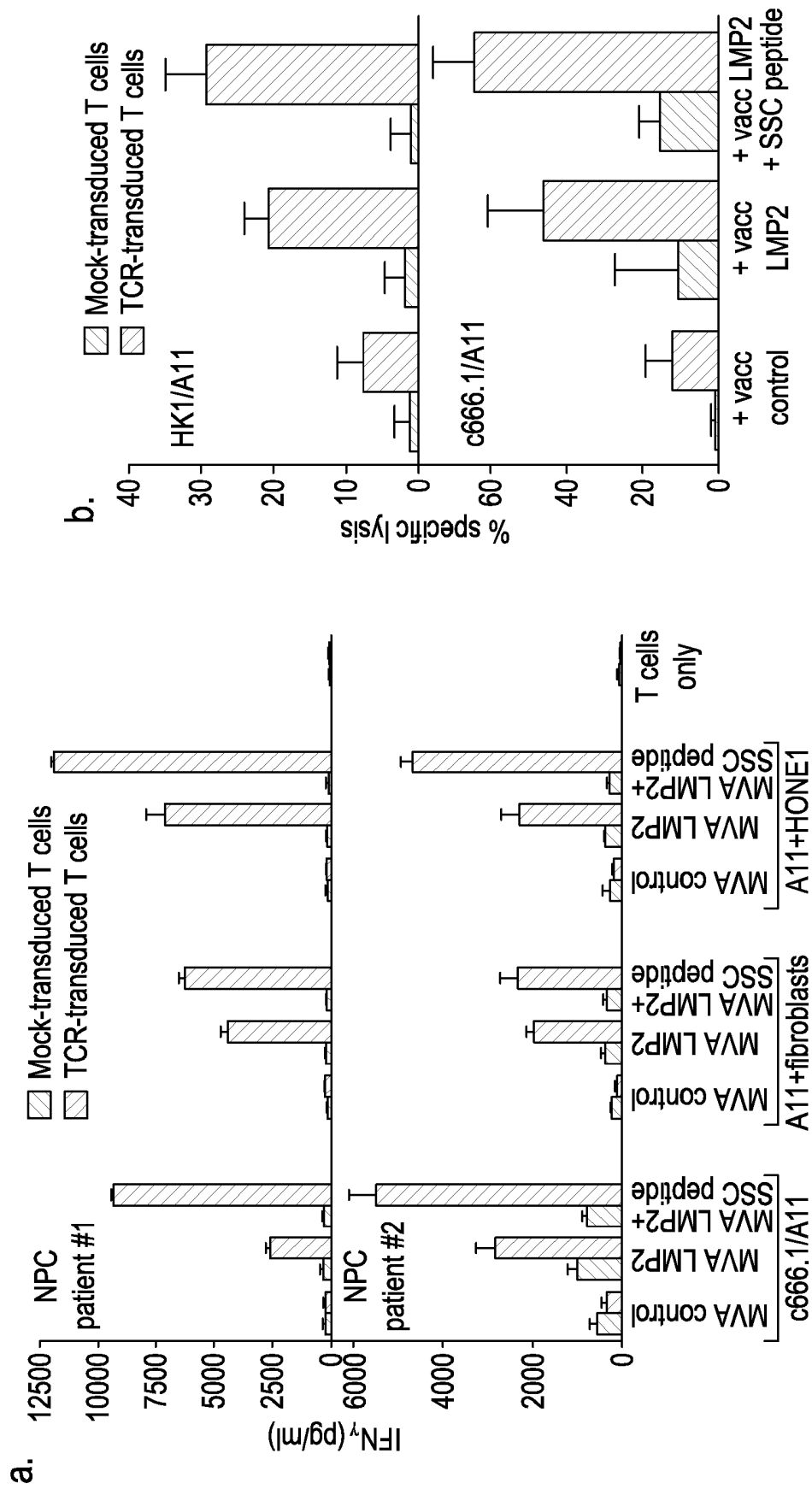


Figure 13