

FIGURES

Fig. 1

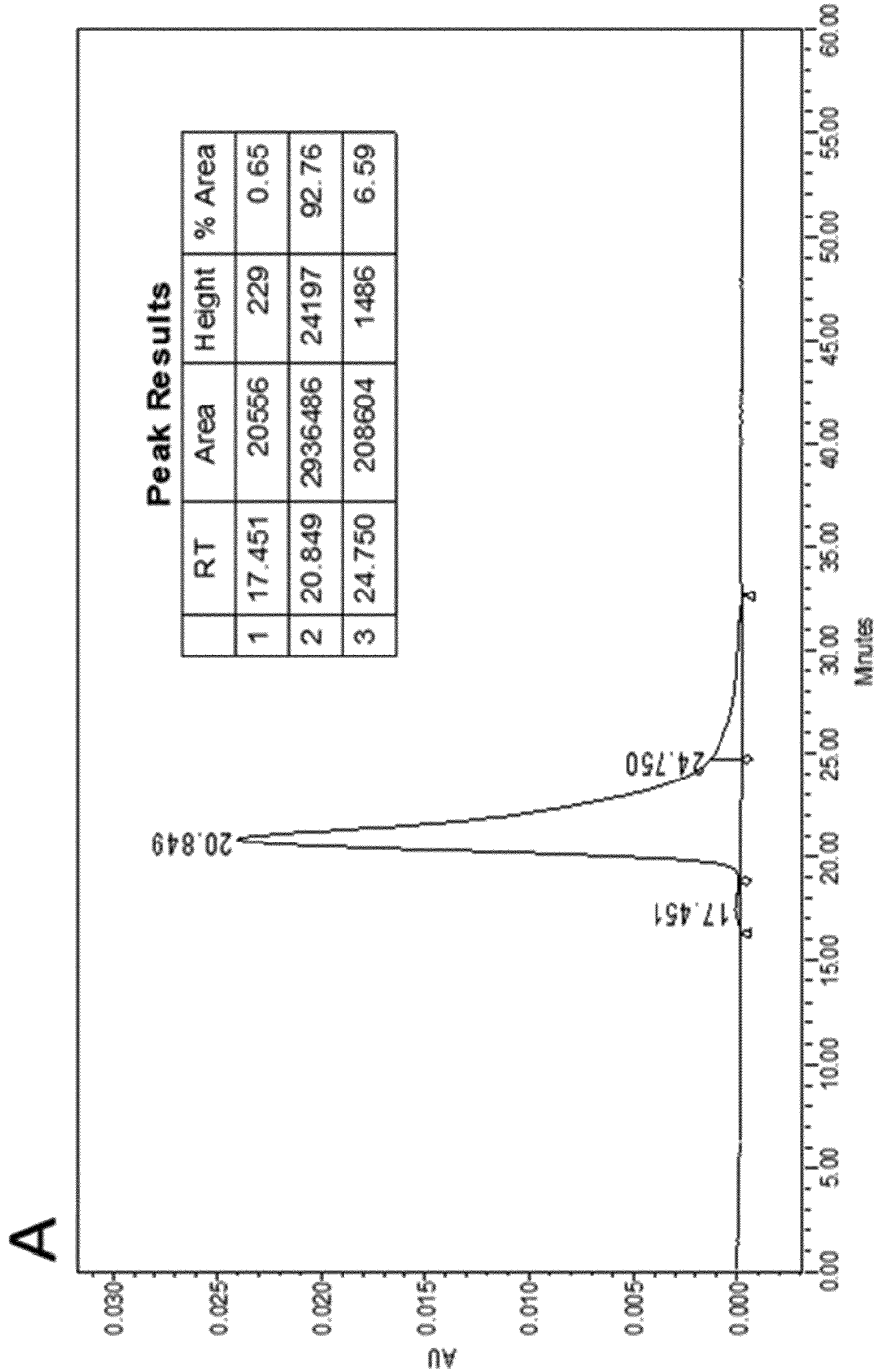
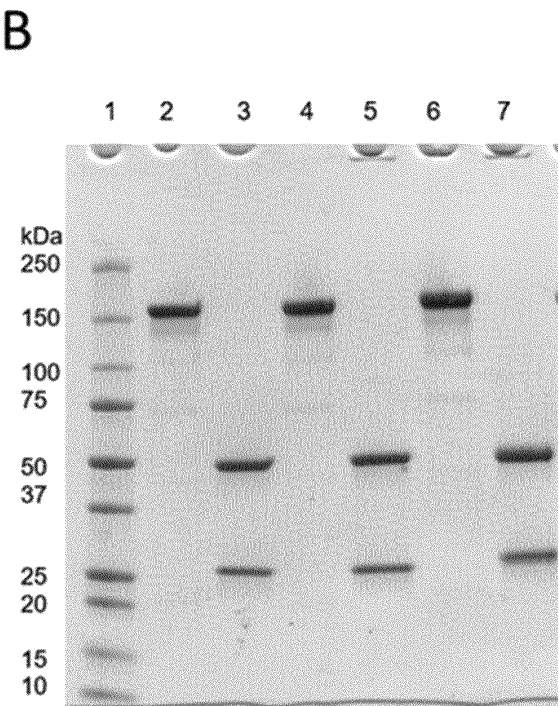


Fig. 1 continued



5 Fig. 2

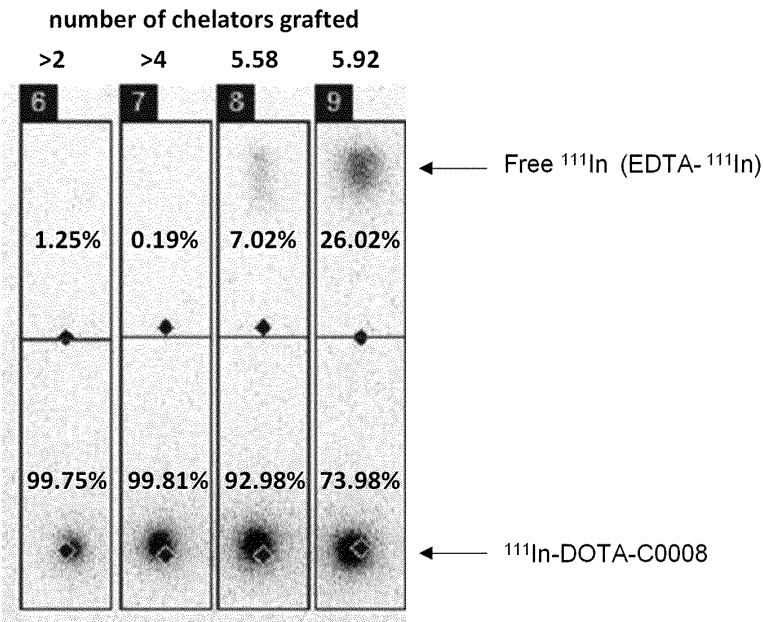
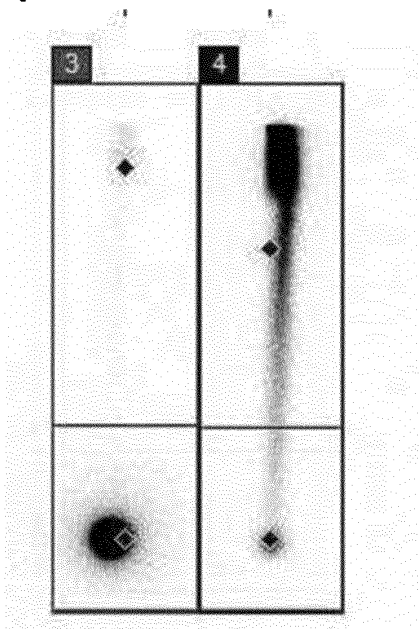


Fig. 3

A



5 B  
D0

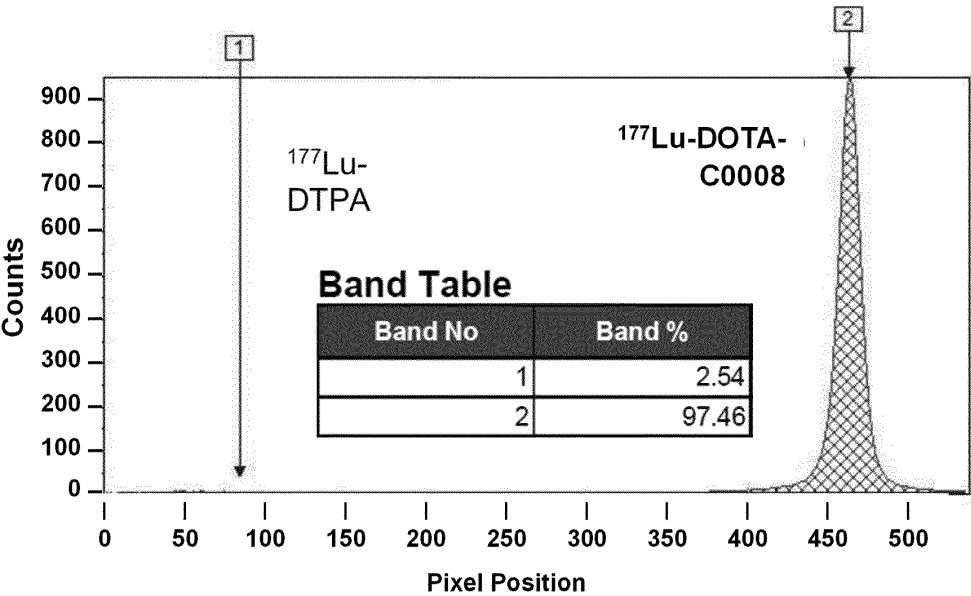


Fig. 4

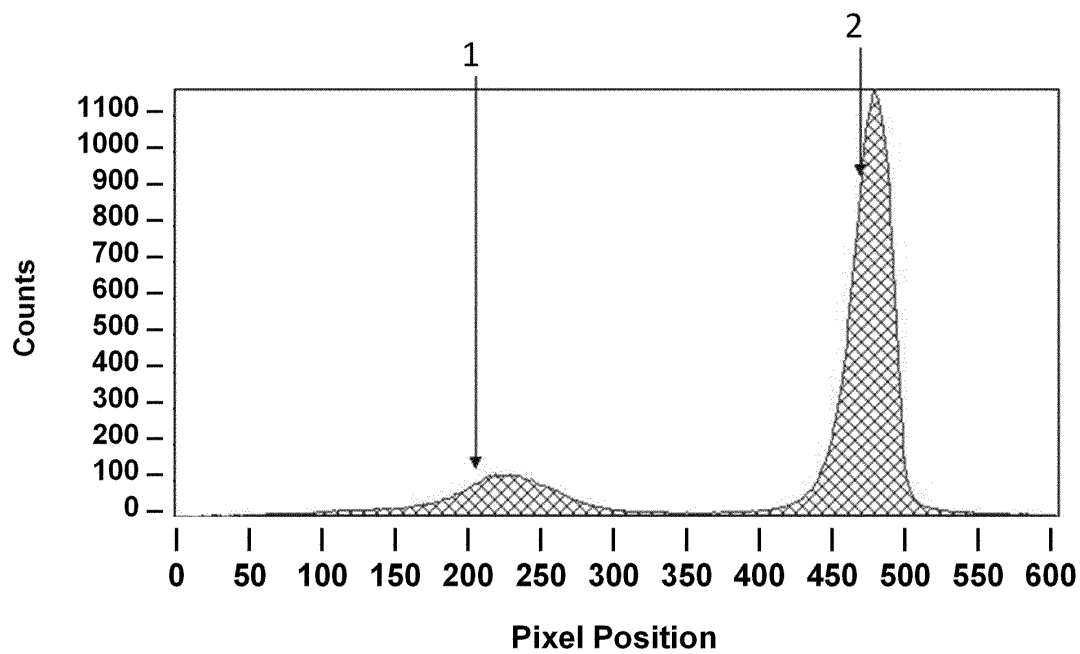
**D7**

Fig. 5

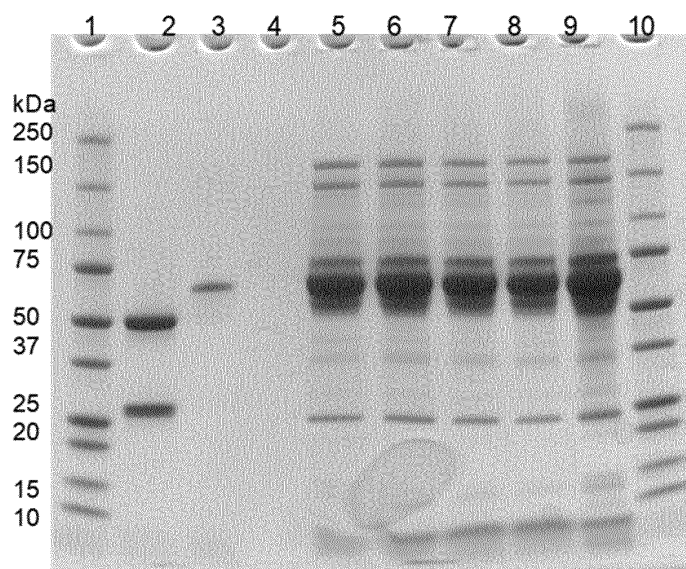
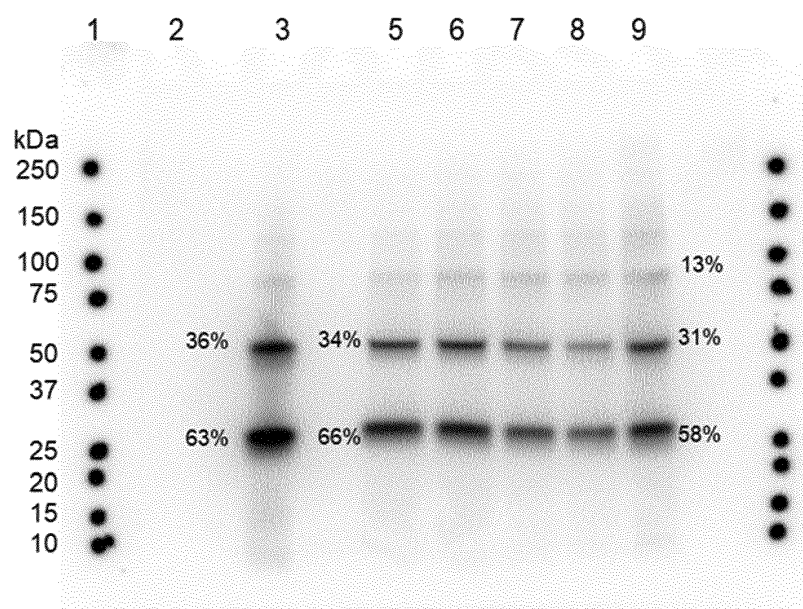
5 **A**

Fig. 5 continued

**B**

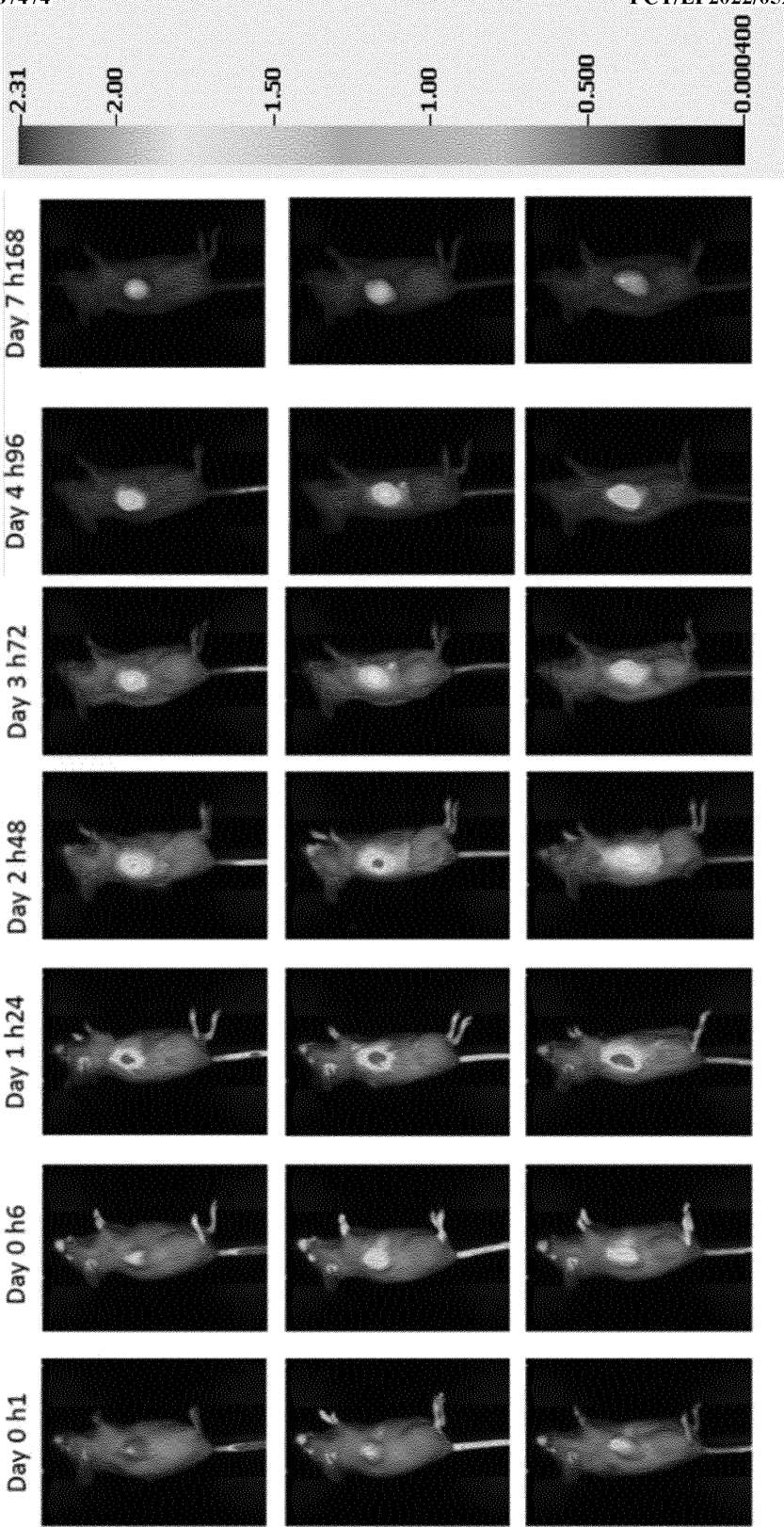


Fig. 6  
A

Fig. 6 continued

B

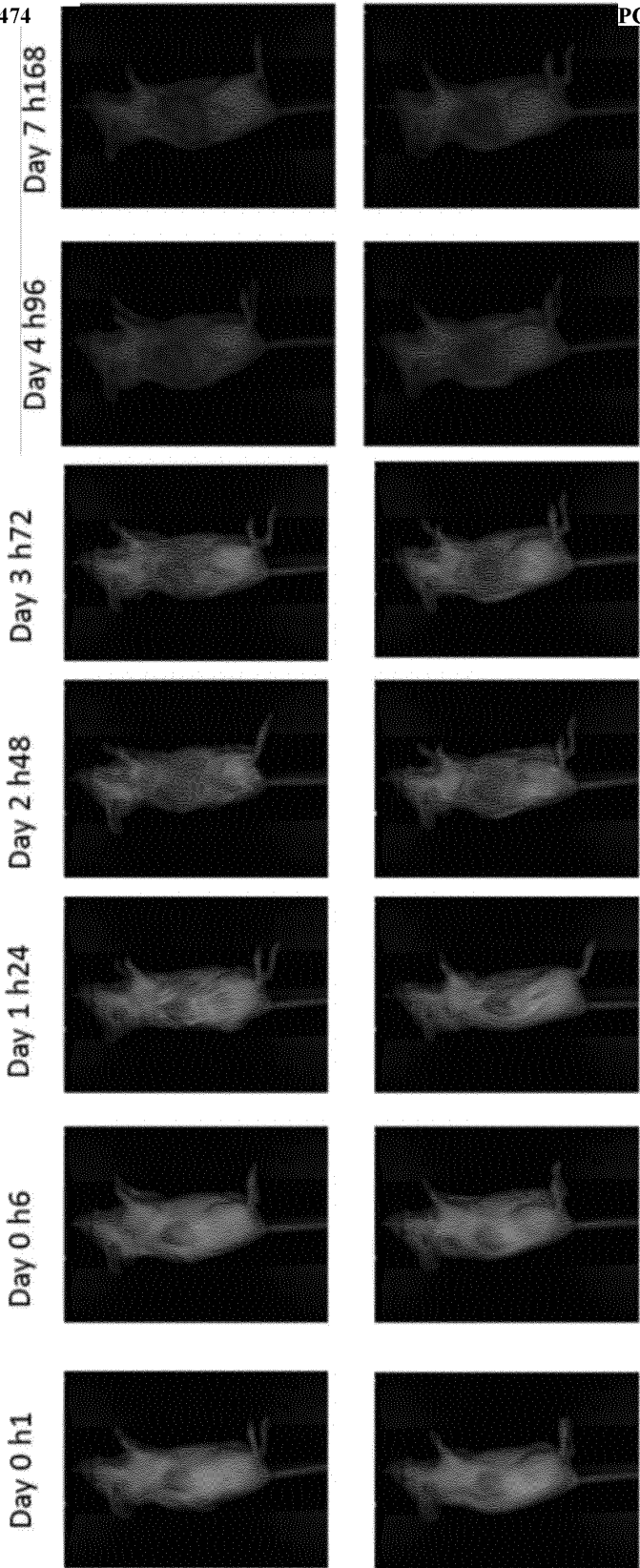
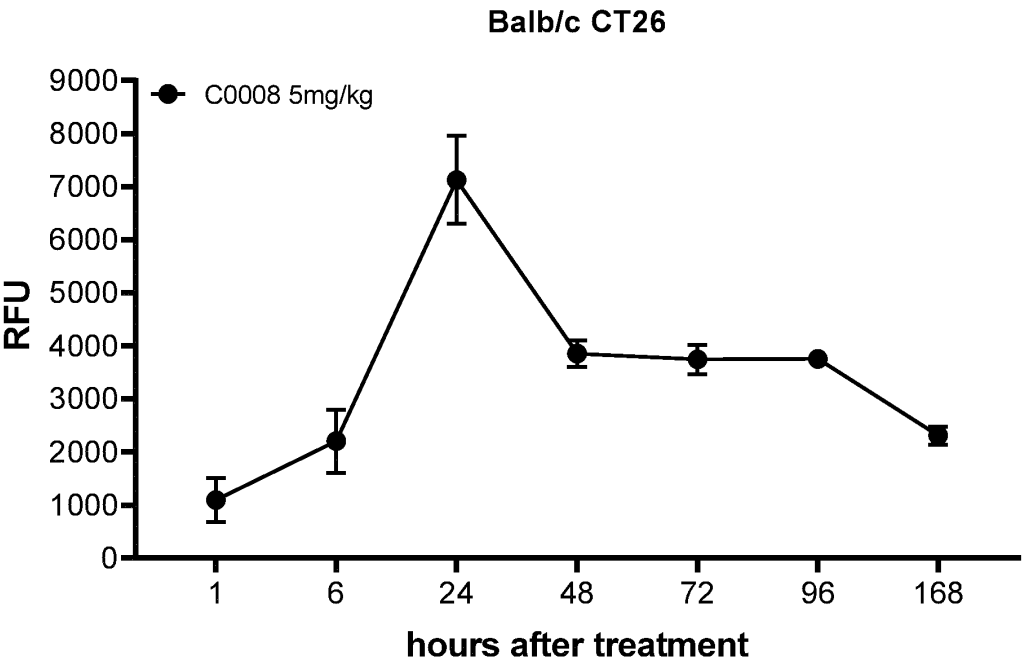


Fig. 6 continued

C



5

Fig. 7

A

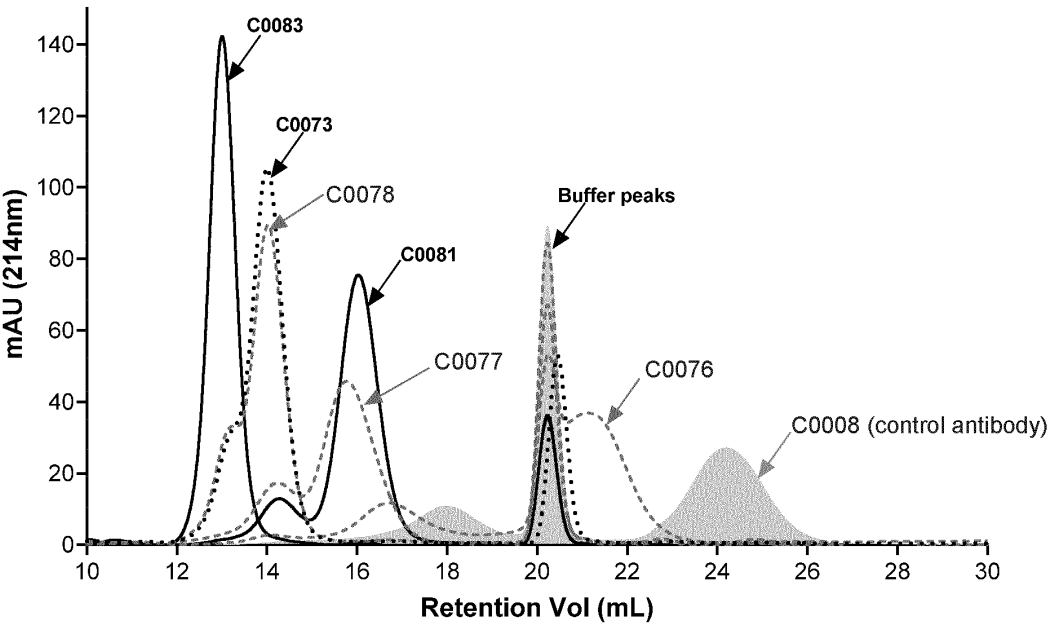
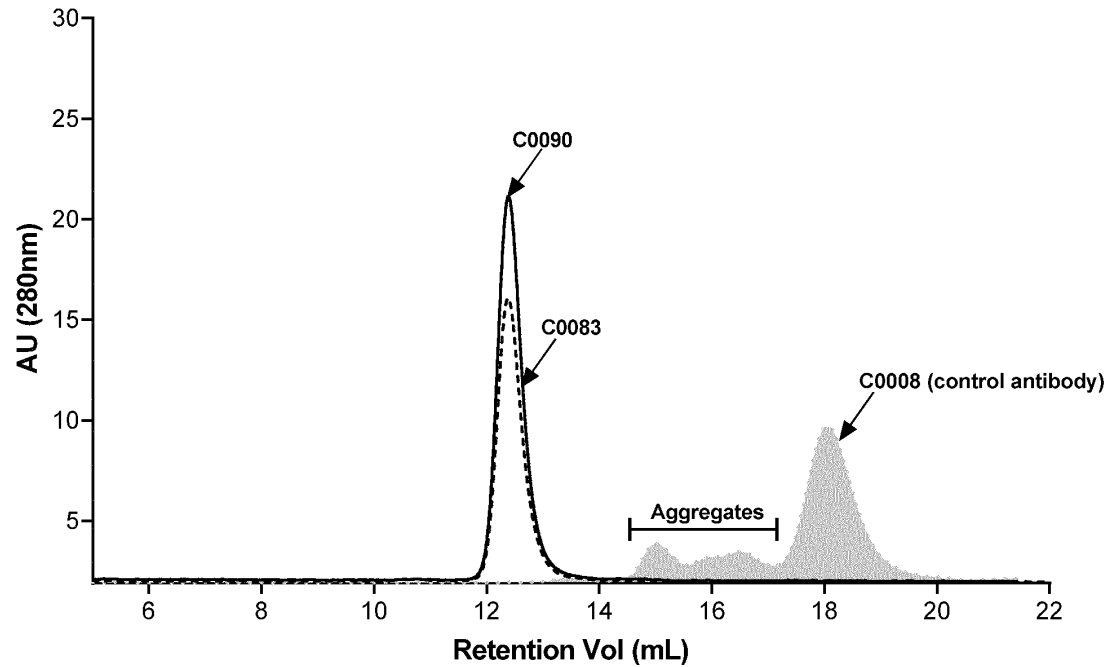


Fig. 7 continued

**B**



**C**

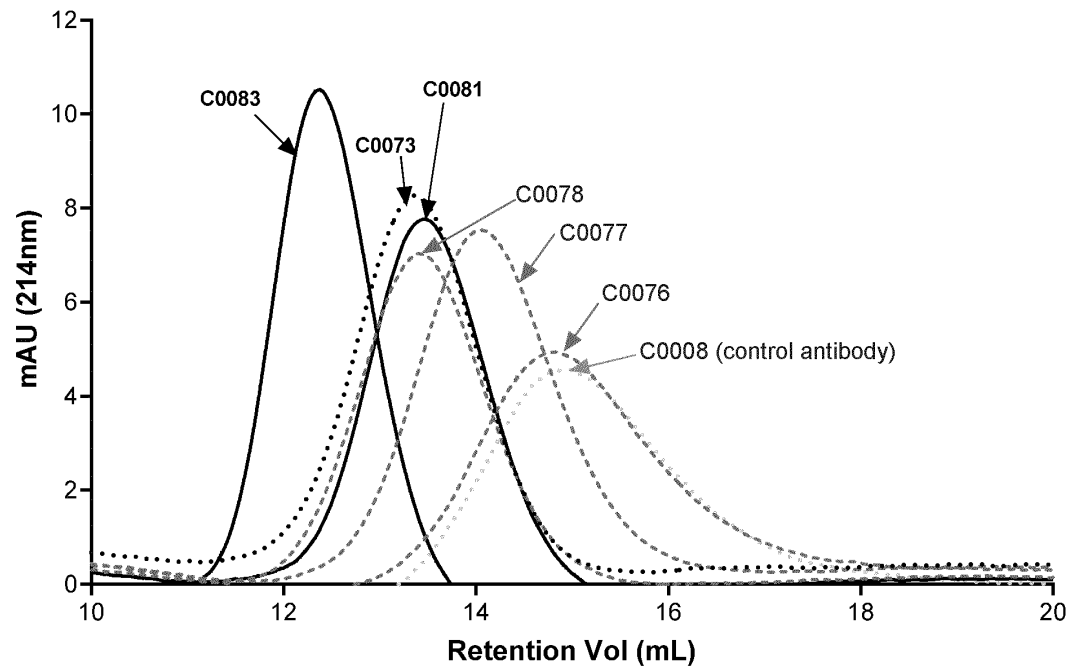


Fig. 8

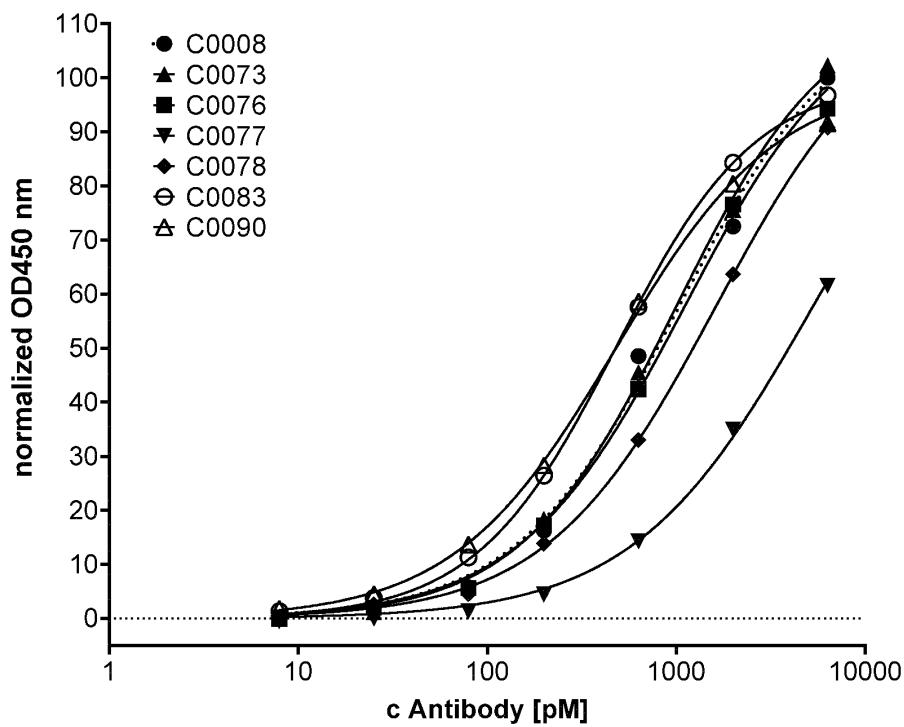


Fig. 9

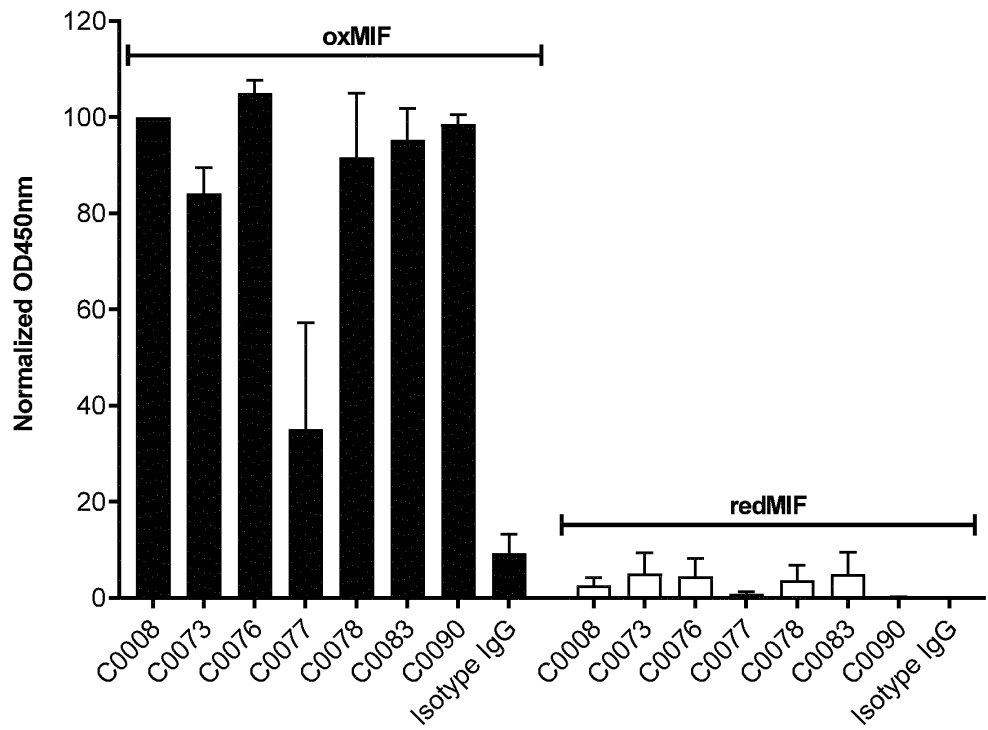
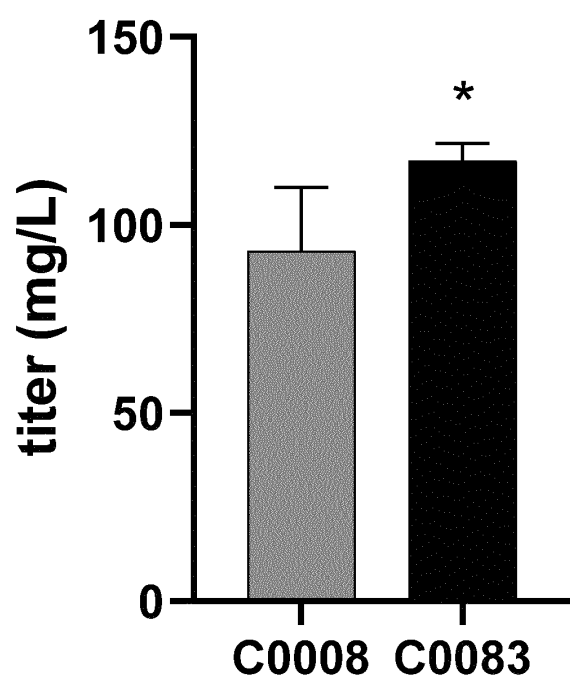


Fig. 10



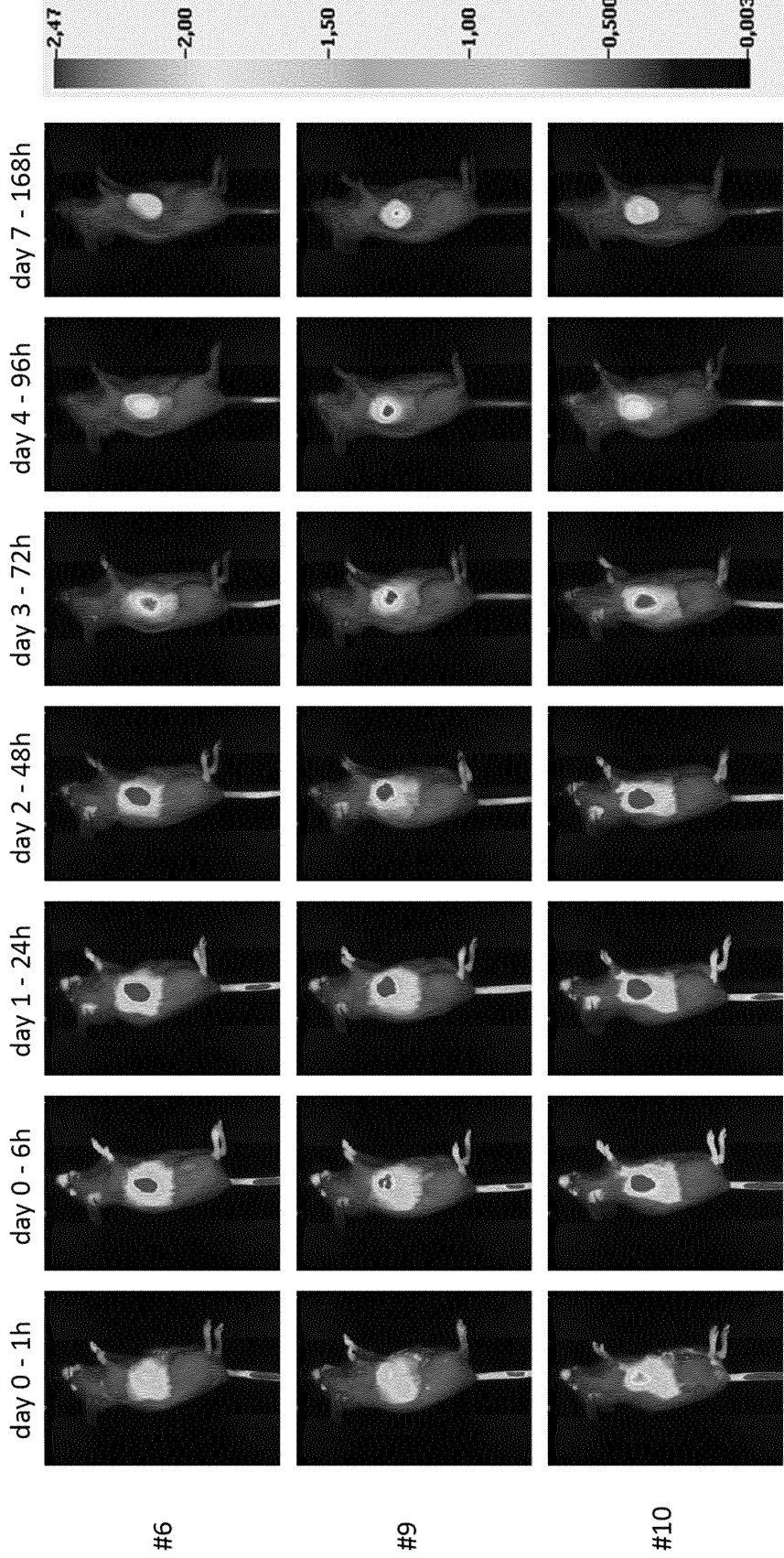
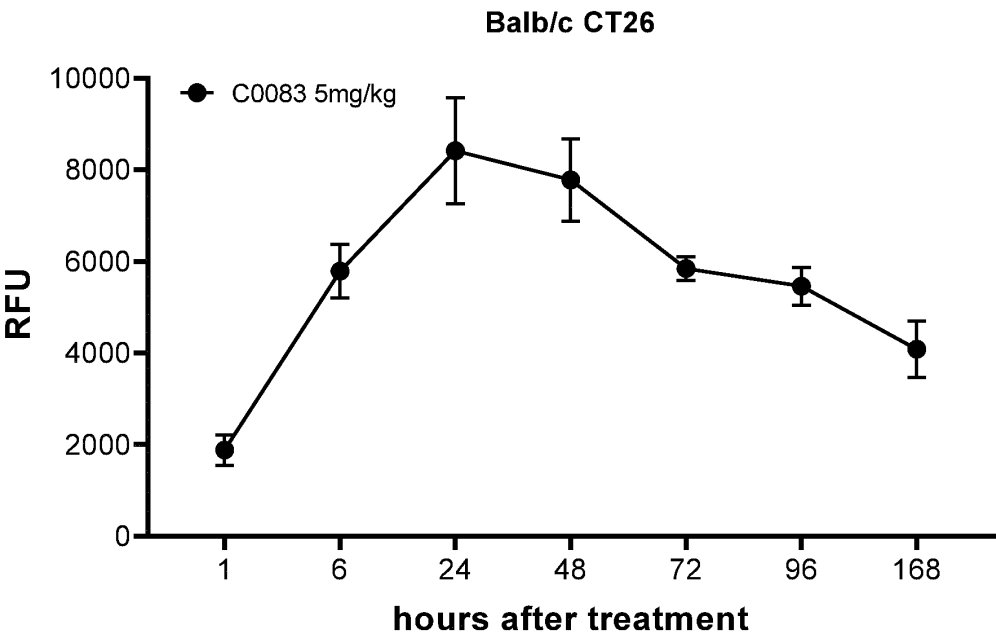


Fig. 11

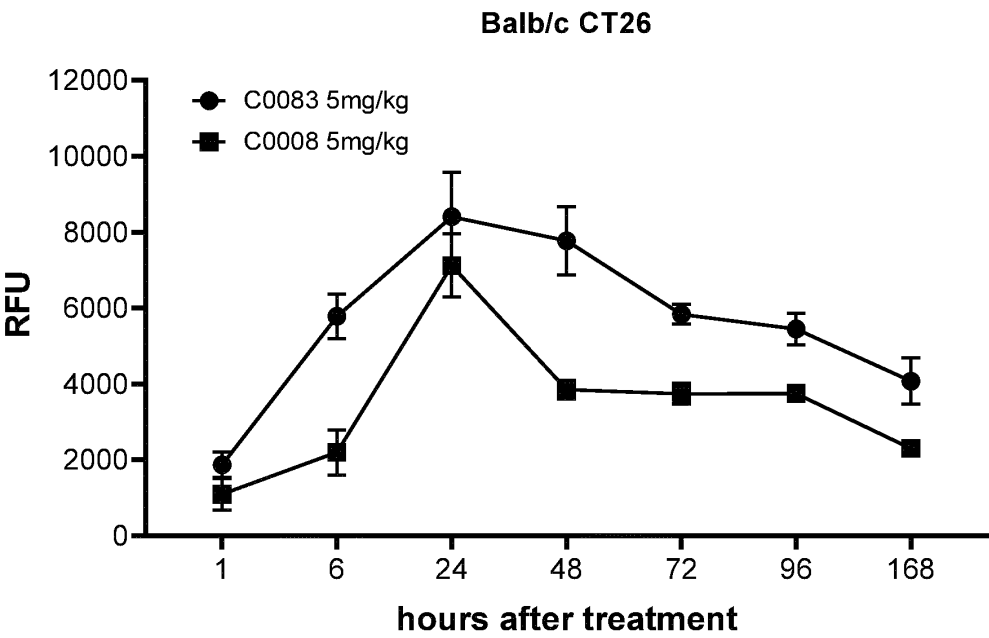
A

Fig. 11 continued

B



5 C



A

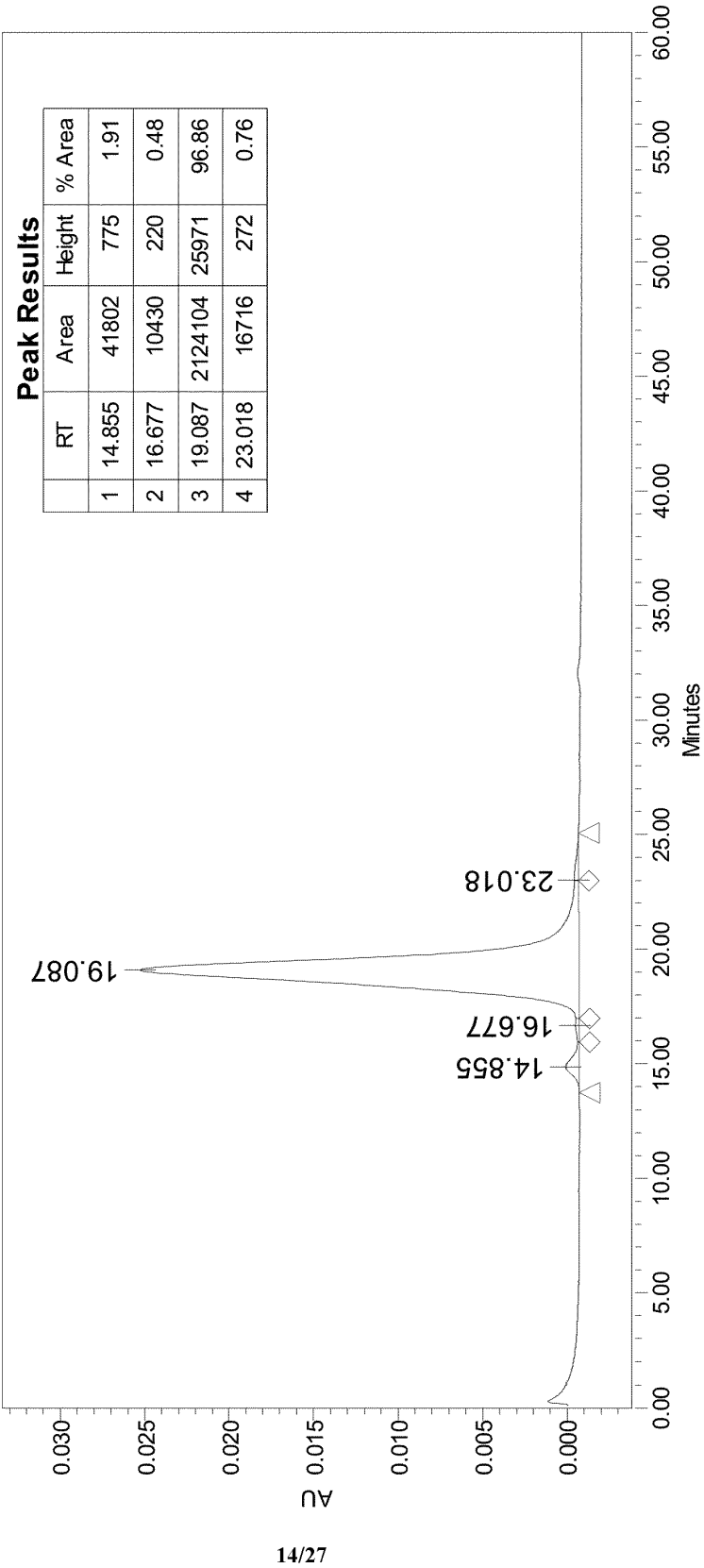
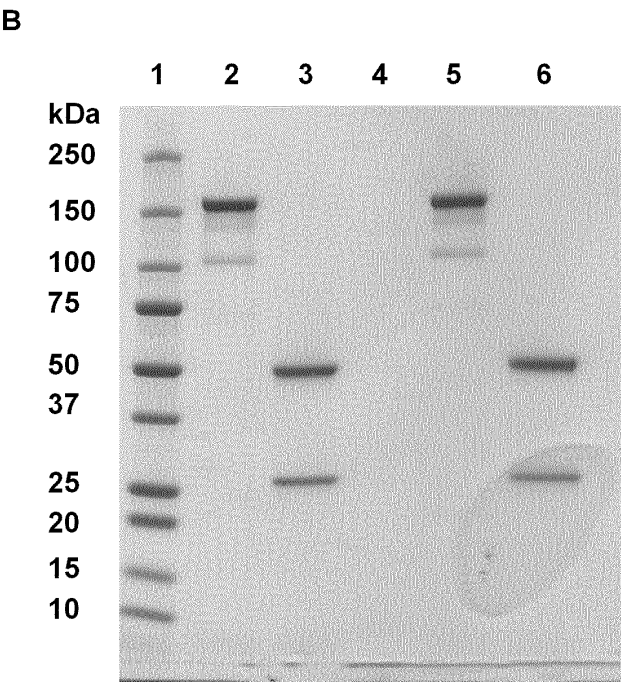


Fig. 12 continued



5

Fig. 13

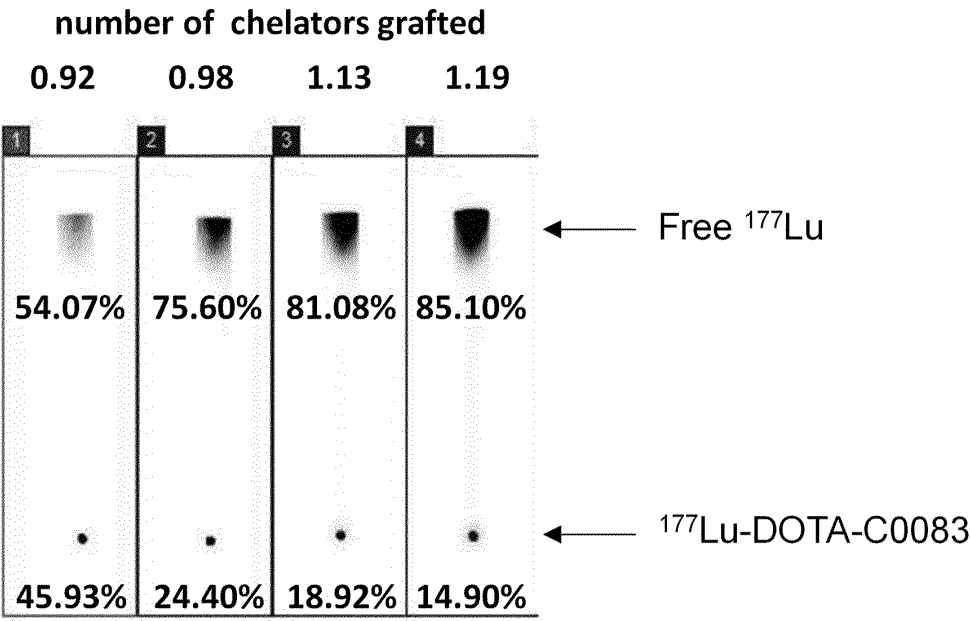


Fig. 14  
D0

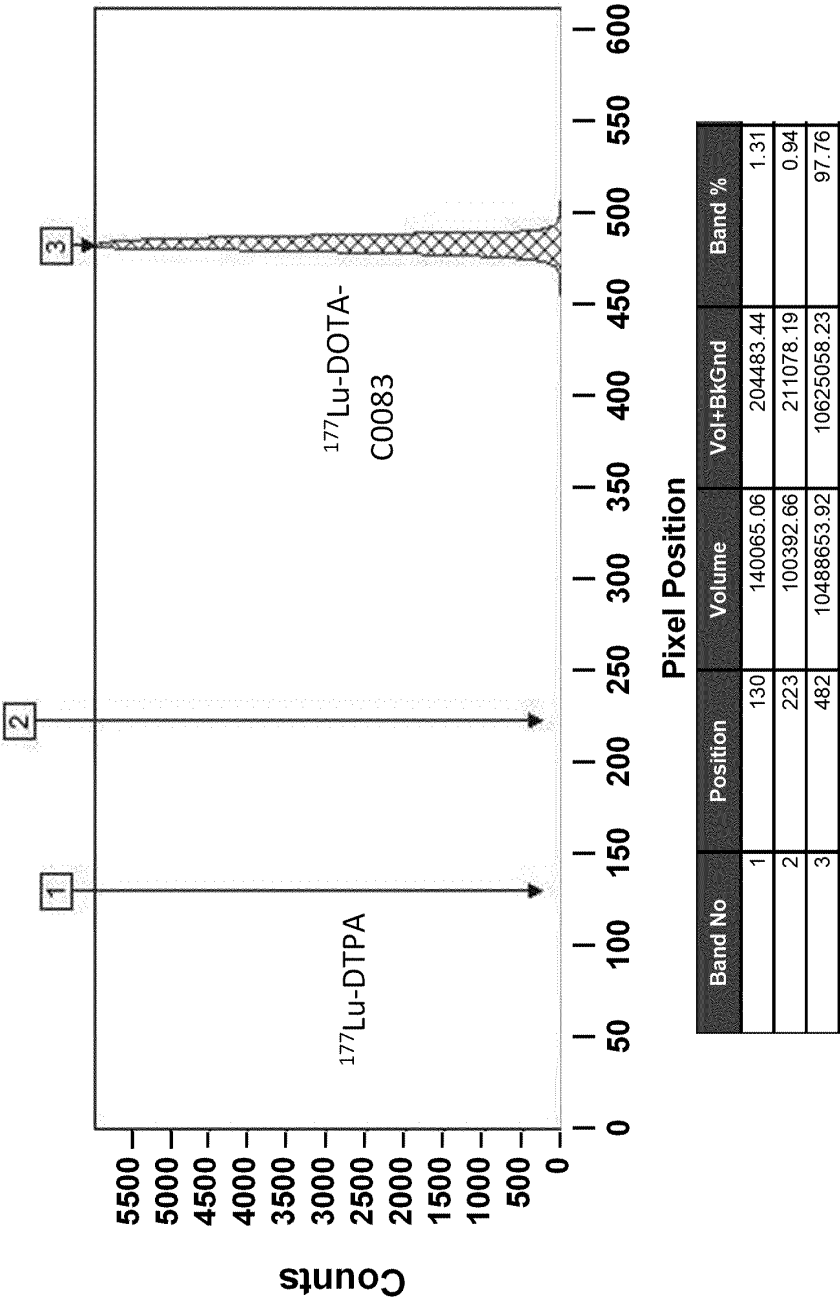
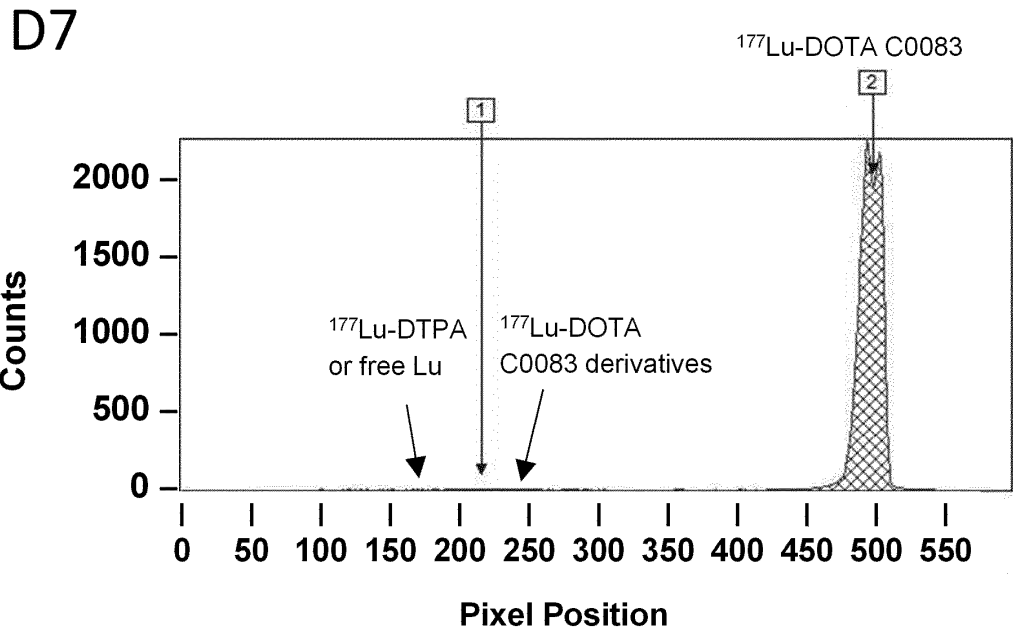


Fig. 15



5 Fig. 16

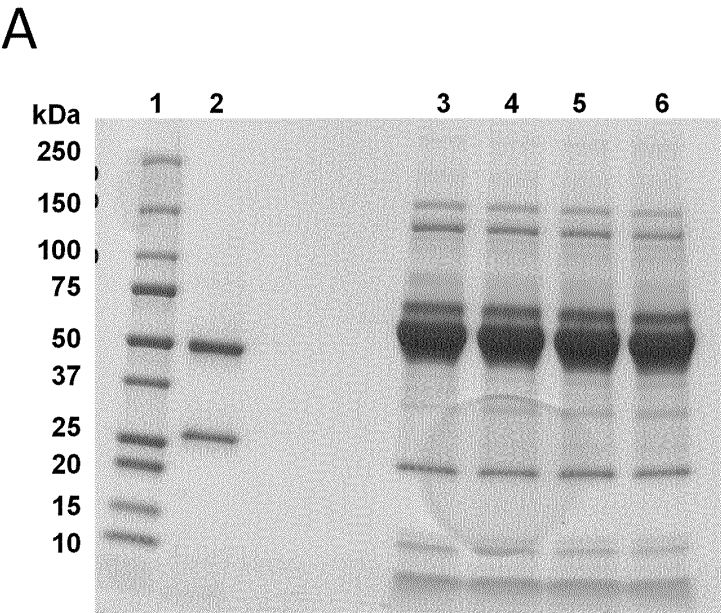


Fig. 16 continued

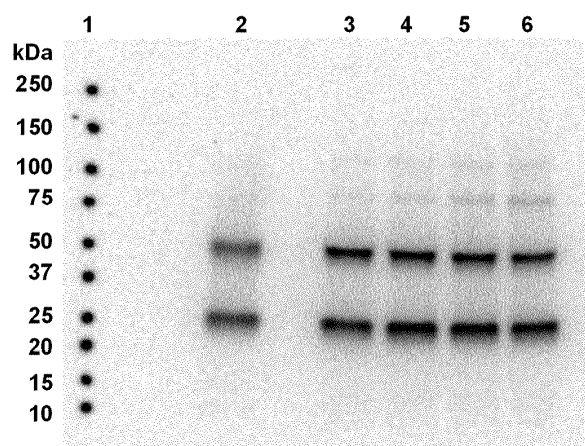
**B**

Fig. 17

5

| SEQ ID NO | Sequence           | Specification    |
|-----------|--------------------|------------------|
| 1         | IYTMD              | CDR1-H1 Bax 8    |
| 2         | YISPSGGNTSYADSVKG  | CDR2-H1 Bax 8    |
| 3         | RQYVLRIFYDWSADAFDI | CDR3-H1 Bax 8    |
| 4         | RASQSISSYLN        | CDR1-L1 Bax 8    |
| 5         | AASSLQS            | CDR2-L1 Bax 8    |
| 6         | QQSYSTPWT          | CDR3-L1 Bax 8    |
| 7         | IYSMN              | CDR1-H1 Imalumab |
| 8         | SIGSSGGTTYADSVKG   | CDR2-H1 Imalumab |
| 9         | SQWLYGMDV          | CDR3-H1 Imalumab |
| 10        | RSSQRIMTYLN        | CDR1-L1 Imalumab |
| 11        | VASHSQS            | CDR2-L1 Imalumab |
| 12        | QQSFWTPLT          | CDR3-L1 Imalumab |
| 13        | KYYMI              | CDR1-H1 Bax 74   |
| 14        | WIGPSGGFTFYADSVKG  | CDR2-H1 Bax 74   |
| 15        | GTPDYGGNSLDH       | CDR3-H1 Bax 74   |
| 16        | RASQSIGTYLS        | CDR1-L1 Bax 74   |
| 17        | AT SRLQS           | CDR2-L1 Bax 74   |
| 18        | QQTYSTPLT          | CDR3-L1 Bax 74   |
| 19        | IYAMD              | CDR1-H1 Bax 94   |

|    |                                                                                                                                                   |                                    |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 20 | GIVPSGGFTKYADSVKG                                                                                                                                 | CDR2-H1 Bax 94                     |
| 21 | VNVIAGTGYYYYGMDV                                                                                                                                  | CDR3-H1 Bax 94                     |
| 22 | RASQGVSSSLA                                                                                                                                       | CDR1-L1 Bax 94,<br>Bax A10         |
| 23 | GTSSRAT                                                                                                                                           | CDR2-L1 Bax 94                     |
| 24 | QQYGRSLT                                                                                                                                          | CDR3-L1 Bax 94                     |
| 25 | GASNRAT                                                                                                                                           | CDR2-L1 Bax 152                    |
| 26 | WYAMD                                                                                                                                             | CDR1-H1 BaxA10                     |
| 27 | GIYPSGGRTKYADSVKG                                                                                                                                 | CDR2-H1 Bax A10                    |
| 28 | RASQGVSSSLA                                                                                                                                       | CDR1-L1 Bax A10,<br>Bax94          |
| 29 | EVQLLESGGGLVQPGGSLRLSCAASGFTFSIYSMNWVRQAPGKGLE<br>WWSSIGSSGGTTYADSVKGRFTISRDN SKNTLYLQMNSLRAEDTAV<br>YYCAGSQWLYGMDVWGQGTTTVTVSS                   | Sequences VH (wt),                 |
| 30 | EVQL <b>Q</b> ESGGGLVQPGGSLRLSCAASGFTFSIYSMNWVRQAPGKGL<br>EWWSSIGSSGGTTYADSVKGRFTISRDN SKNTLYLQMNSLRAEDTA<br>VYYCAGSQWLYGMDVWGQGTTTVTVSS          | VH L5Q                             |
| 31 | EVQL <b>Q</b> ESGGGLVQPGGSLRLSCAASGFTFSIYSMNWVRQAPGKGL<br>EWWSSIGSSGGTTYADSVKGRFTISRDN SKNTLYLQMNSLRAEDTA<br>VYYCAGSQ <b>Y</b> LYGMDVWGQGTTTVTVSS | VH L5Q W97Y                        |
| 32 | DIQMTQSPSSLSASVGDRVITICRSSQRIMTYLNWYQQKPGKAPKLL<br>IFVASHSQSGVPSRFRGSGSETDFTLTISGLQPEDSATYYCQQSFWT<br>PLTFGGGTKVEIK                               | Sequences VL (wt)                  |
| 33 | DIQMTQSPSSLSASVGDRVITICRSSQRIMTYLNWYQQKPGKAPKLL<br><b>IYVG</b> SHSQSGVPSRFRGSGSETDFTLTISGLQPEDSATYYCQQSFWT<br>PLTFGGGTKVEIK                       | VL F49Y A51G                       |
| 34 | DIQMTQSPSSLSASVGDRVITICRSSQRIMTYLNWYQQKPGKAPKLL<br><b>IYVG</b> SHSQSGVPSRFRGSGSETDFTLTISGLQPEDSATYYCQQS <b>FFT</b><br>PLTFGGGTKVEIK               | VL •<br>F49Y/A51G/W93F             |
| 35 | DIQMTQSPSSLSASVGDRVITICRSSQRILTYLNWYQQKPGKAPKLLI<br><b>YVG</b> SHSQSGVPSRFRGSGSETDFTLTISGLQPEDSATYYCQQS <b>FFT</b><br>PLTFGGGTKVEIK               | VL<br>M30L/F49Y/A51G/<br>W93F      |
| 36 | DIQMTQSPSSLSASVGDRVITICRSSQRILTYLNWYQQKPGKAPKLLI<br><b>YVG</b> SHSQSGVPSRFRGSGSETDFTLTISGL <b>Q</b> SEDSATYYCQQS <b>FFT</b><br>PLTFGGGTKVEIK      | VL<br>M30L/F49Y/A51G/<br>P80S/W93F |

Fig. 17 continued

|    |                                                                                                                                                                                                                                                                                                                                                                                                 |                                         |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| 37 | ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALT<br>SGVHTFPAVLQSSGLYSLSSVTPVSSSLGTQTYICNVNHKPSNTKV<br>DKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPE<br>VTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVV<br>SVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYT<br>LPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPP<br>VLDSGDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLS<br>LSPG                            | CH1-CH3 wt                              |
| 38 | ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALT<br>SGVHTFPAVLQSSGLYSLSSVTPVSSSLGTQTYICNVNHKPSNTKV<br>DKRVEPKSCDKTHTCPPCPAPE <u>AA</u> GGPSVFLFPPKPKDTLMISRTPE<br>VTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVV<br>SVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYT<br>LPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPP<br>VLDSGDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSLS<br>LSPG                   | CH1-CH3,<br>L234A/L235A                 |
| 39 | ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALT<br>SGVHTFPAVLQSSGLYSLSSVTPVSSSLGTQTYICNVNHKPSNTKV<br>DKRVEPKSCDKTHTCPPCPAPE <u>AA</u> GGPSVFLFPPKPKDTLM <u>A</u> SRTPE<br>EVTCTVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRV<br>VSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVY<br>TLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTP<br>PVLDSDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHNHYTQKSL<br>SLSPG         | CH1-CH3,<br>L234A/L235A/I253A           |
| 40 | ASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALT<br>SGVHTFPAVLQSSGLYSLSSVTPVSSSLGTQTYICNVNHKPSNTKV<br>DKRVEPKSCDKTHTCPPCPAPE <u>AA</u> GGPSVFLFPPKPKDTLMISRTPE<br>VTCVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVV<br>SVLTVL <u>A</u> QDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYT<br>LPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPP<br>VLDSGDGSFFLYSKLTVDKSRWQQGNVFCFSVMHEALHN <u>Q</u> YTQKSLS<br>LSPG | CH1-CH3,<br>L234A/L235A/H310A<br>/H435Q |
| 41 | RTVAAPSVFIFPPSDEQLKSGTASVVCLLNFFYPREAKVQWKVDNAL<br>QSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQG<br>LSSPVTKSFNRGEC                                                                                                                                                                                                                                                                             | CL wt                                   |
| 42 | DIQMTQSPSSLSASVGDRVTITCRSSQRILTYLNWYQQKPGKAPKLLI<br><u>YV</u> GSHSQSGVPSRFRGSGSETDFTLTISGL <u>Q</u> SEDSATYYCQQSFFT<br>PLTFGGGTKEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNFFYPR<br>EAKVQWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKADYEK<br>HKVYACEVTHQGLSSPVTKSFNRGEC                                                                                                                                          | C0090/C0118 LC                          |

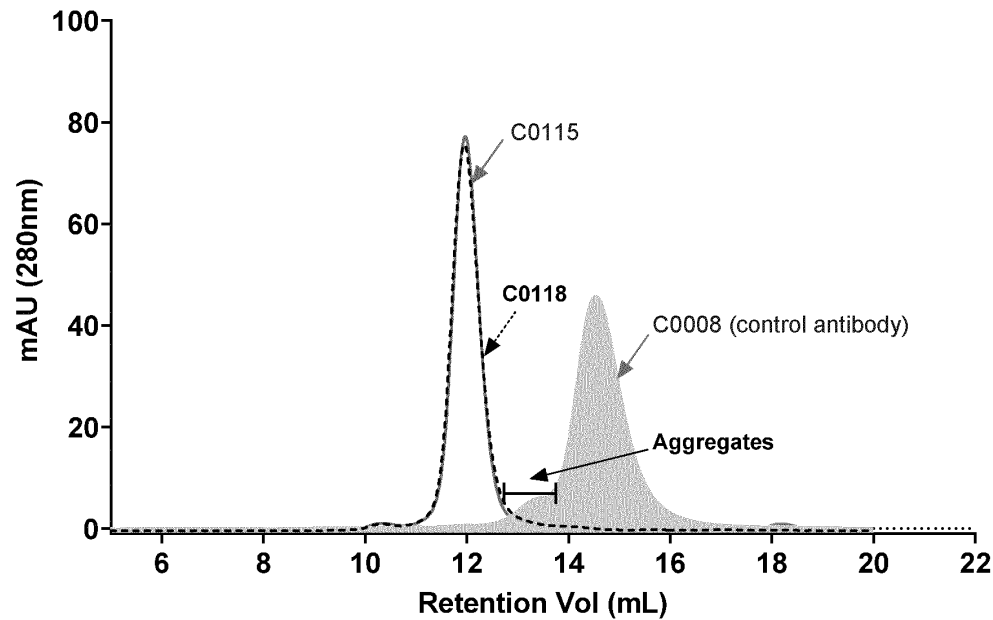
Fig. 17 continued

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 43 | EVQLQESGGGLVQPGGSLRLSCAASGFTFSIYSMNWVRQAPGKGL<br>EWWSSIGSSGGTTYADSVKGRFTISRDN SKNTLYLQMNSLRAEDTA<br>VYYCAGSQYLYGMDVWGQGTITVSSASTKGPSVFPLAPSSKSTS<br>GGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSL<br>SSVVTVPSSSLGTQTYICNVNHKPSNTKVDKRV EPKSCDKTHTCPPC<br>PAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFN<br>WYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKC<br>KVSNAKALPAIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLV<br>KGFYPSPDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSR<br>WQQGNVFSCSVMHEALHNHYTQKSLSLSPG              | C0090/C0083 HC      |
| 44 | CALC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MIF catalytic motif |
| 45 | EPCALCS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | oxMIF epitope       |
| 46 | DIQMTQSPSSLSASVGDRVTITCRSSQRIMTYLNWYQQKPGKAPKLL<br>IYVGS <del>SH</del> SQSGVPSRFRGSGSETDFTLTISGLQPEDSATYYCQQSFFT<br>PLTFGGGTKEIKRTVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPR<br>EAKVQWKVDNALQSGNSQESVTEQDSKDSSTLSSTLTLSKADYEK<br>HKVYACEVTHQGLSSPVTKSFNRGEC                                                                                                                                                                                                                                                              | C0083/C0115 LC      |
| 47 | EVQLQESGGGLVQPGGSLRLSCAASGFTFSIYSMNWVRQAPGKGL<br>EWWSSIGSSGGTTYADSVKGRFTISRDN SKNTLYLQMNSLRAEDTA<br>VYYCAGSQYLYGMDVWGQGTITVSSASTKGPSVFPLAPSSKSTS<br>GGTAALGCLVKDYFPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSL<br>SSVVTVPSSSLGTQTYICNVNHKPSNTKVDKRV EPKSCDKTHTCPPC<br>PAPE <del>AA</del> GGPSVFLFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFN<br>WYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKC<br>KVSNAKALPAIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLV<br>KGFYPSPDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSR<br>WQQGNVFSCSVMHEALHNHYTQKSLSLSPG | C0115/C0118 HC      |

Fig. 17 continued

Figure 18

A



5

B

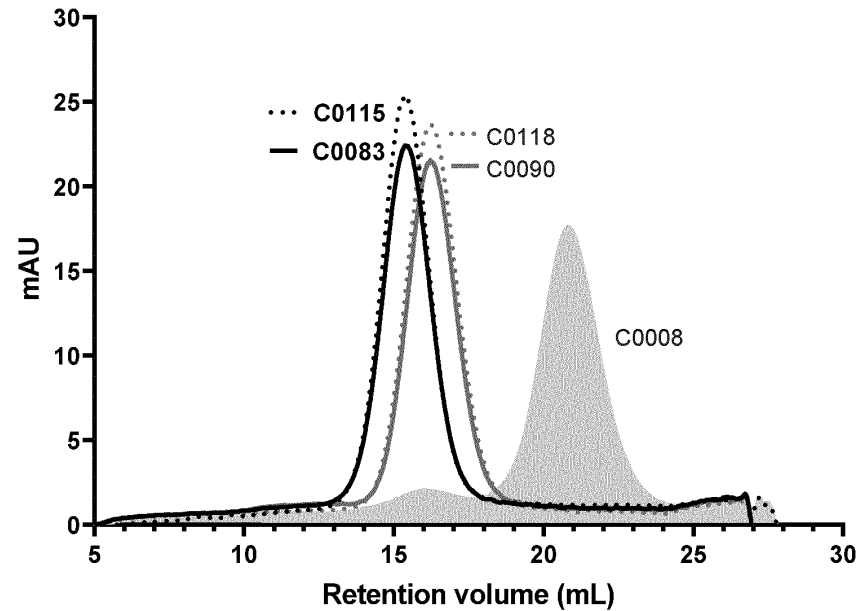
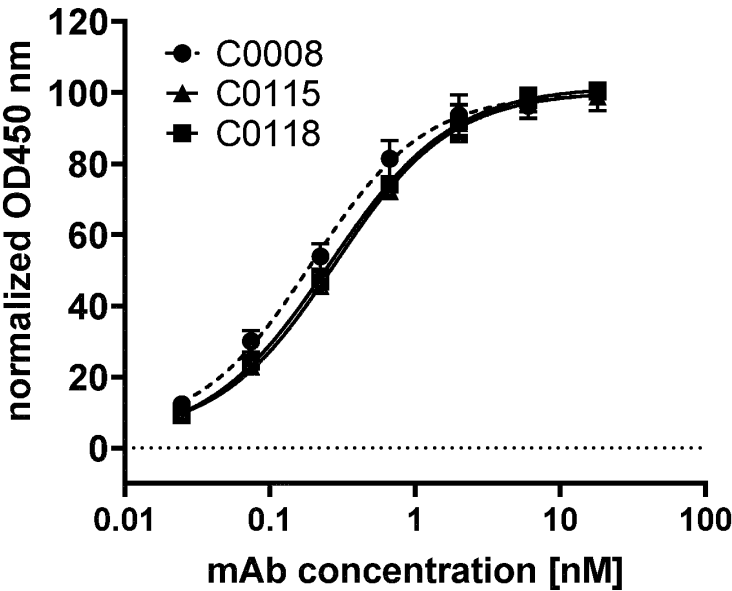


Figure 19

A



B

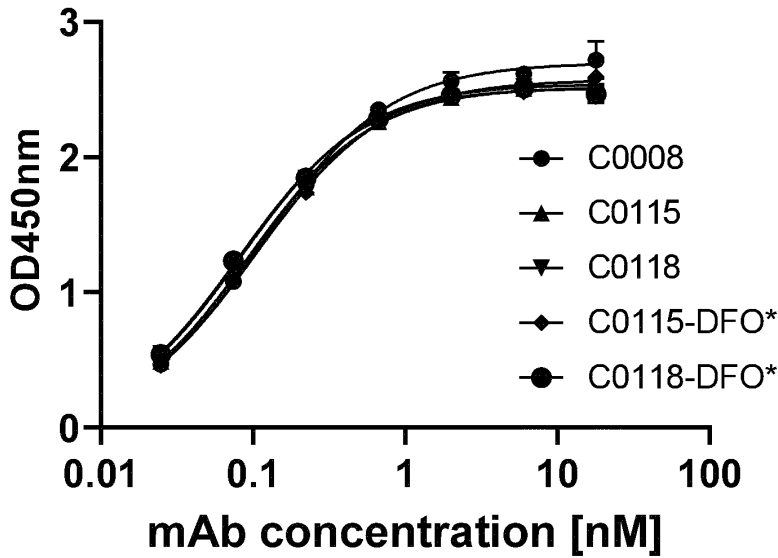


Figure 20

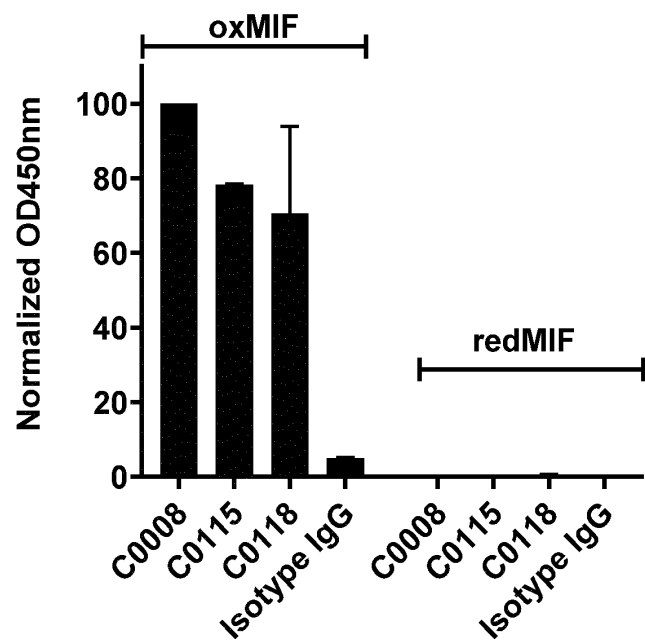


Figure 21

A

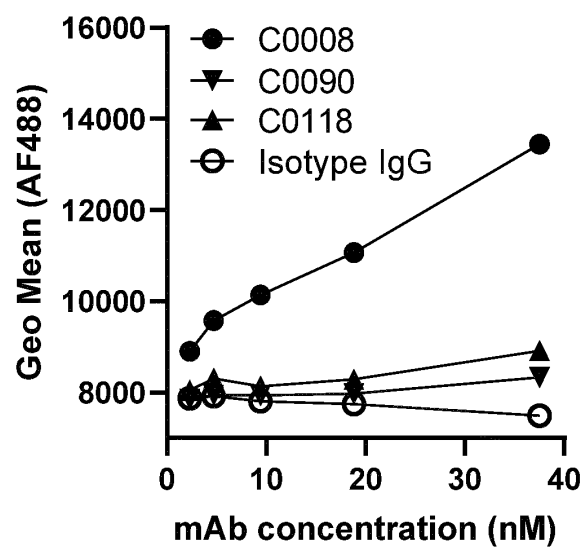
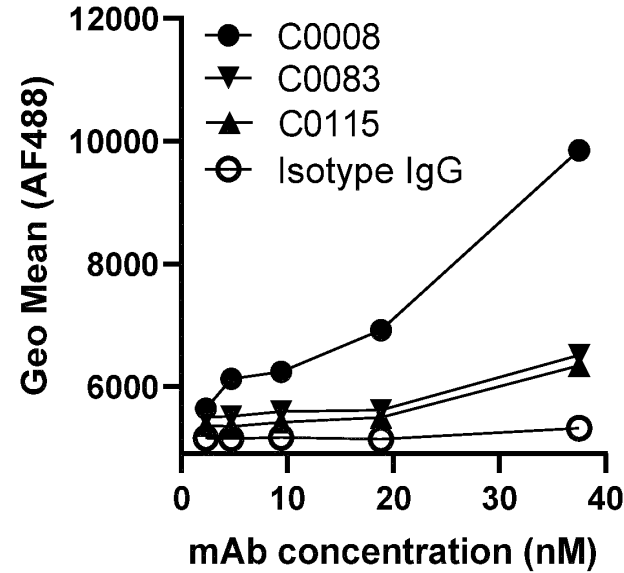


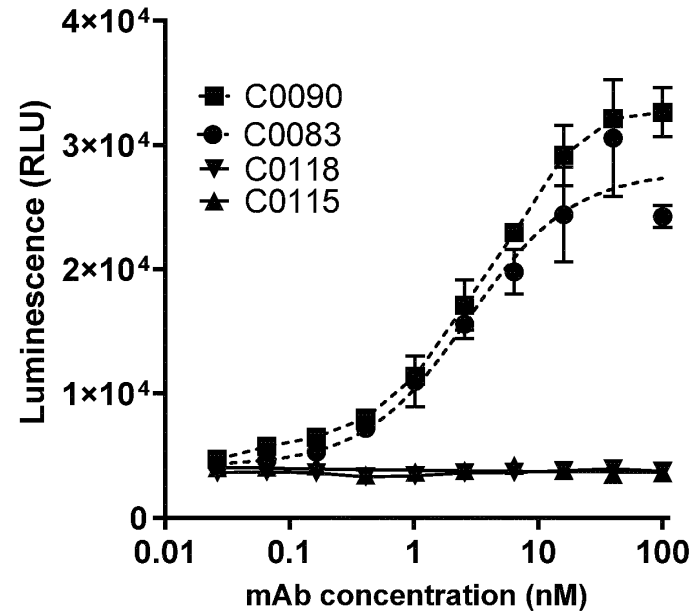
Figure 21 continued

B



5

Figure 22



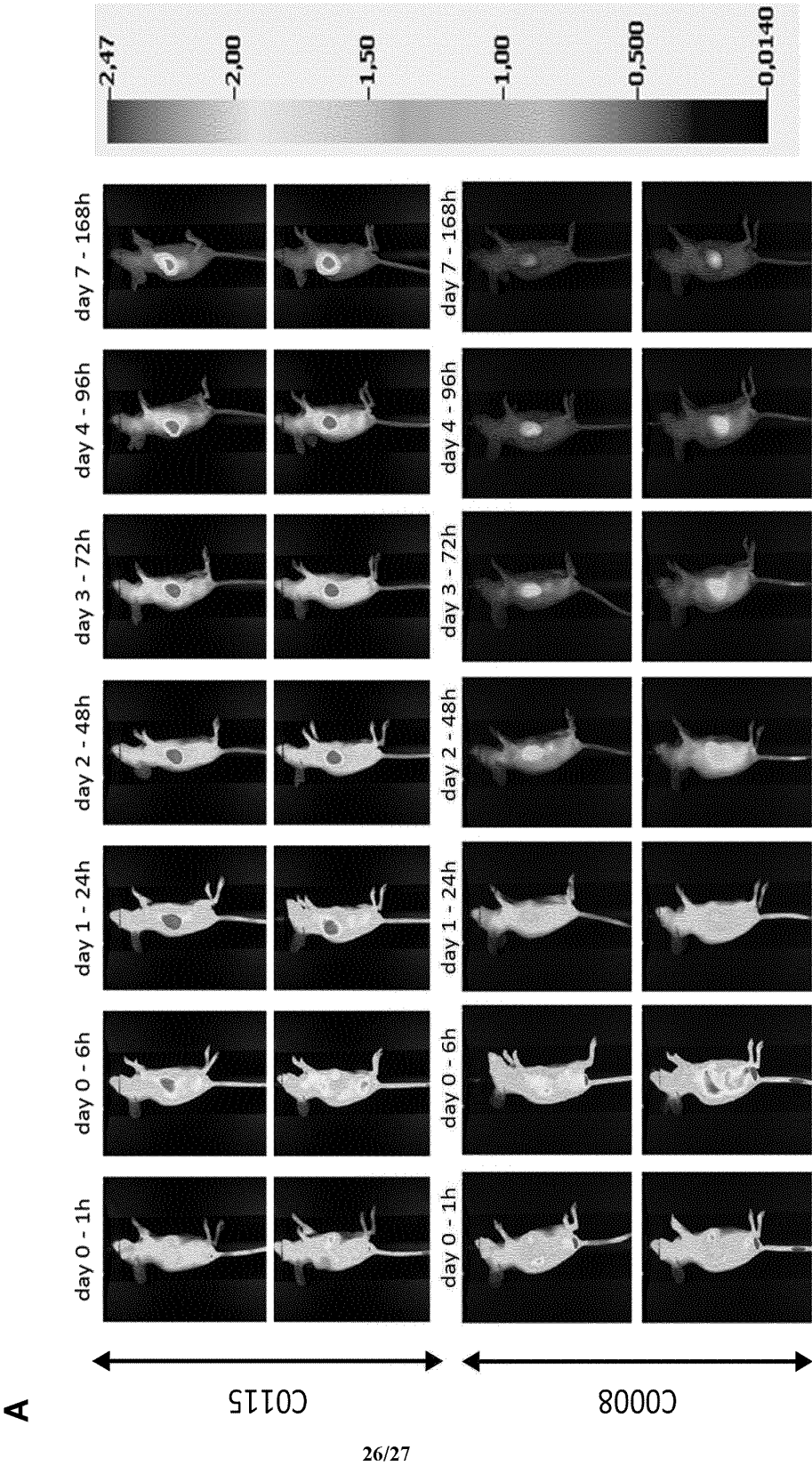
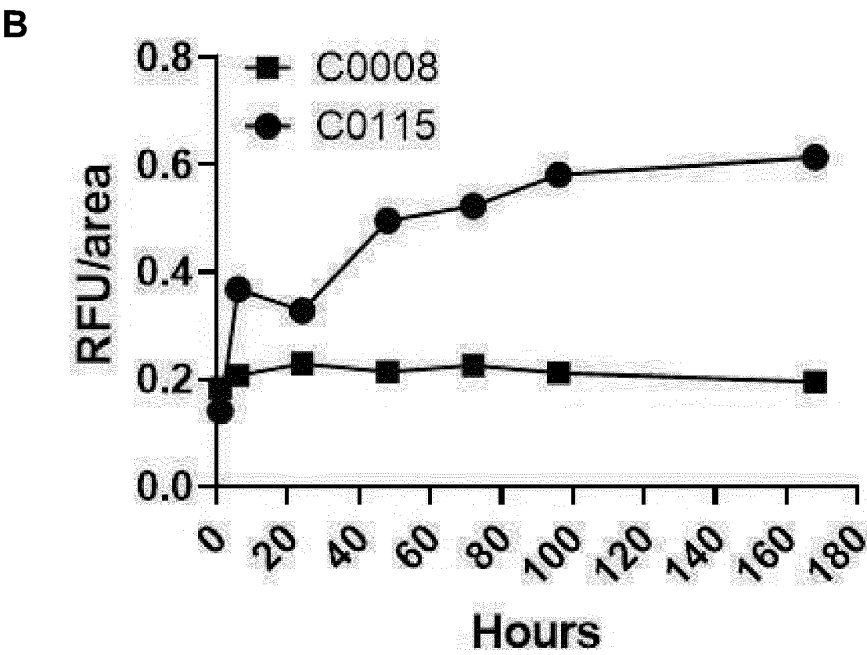


Fig. 23 continued



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Figure 24

