

Figure 1A.

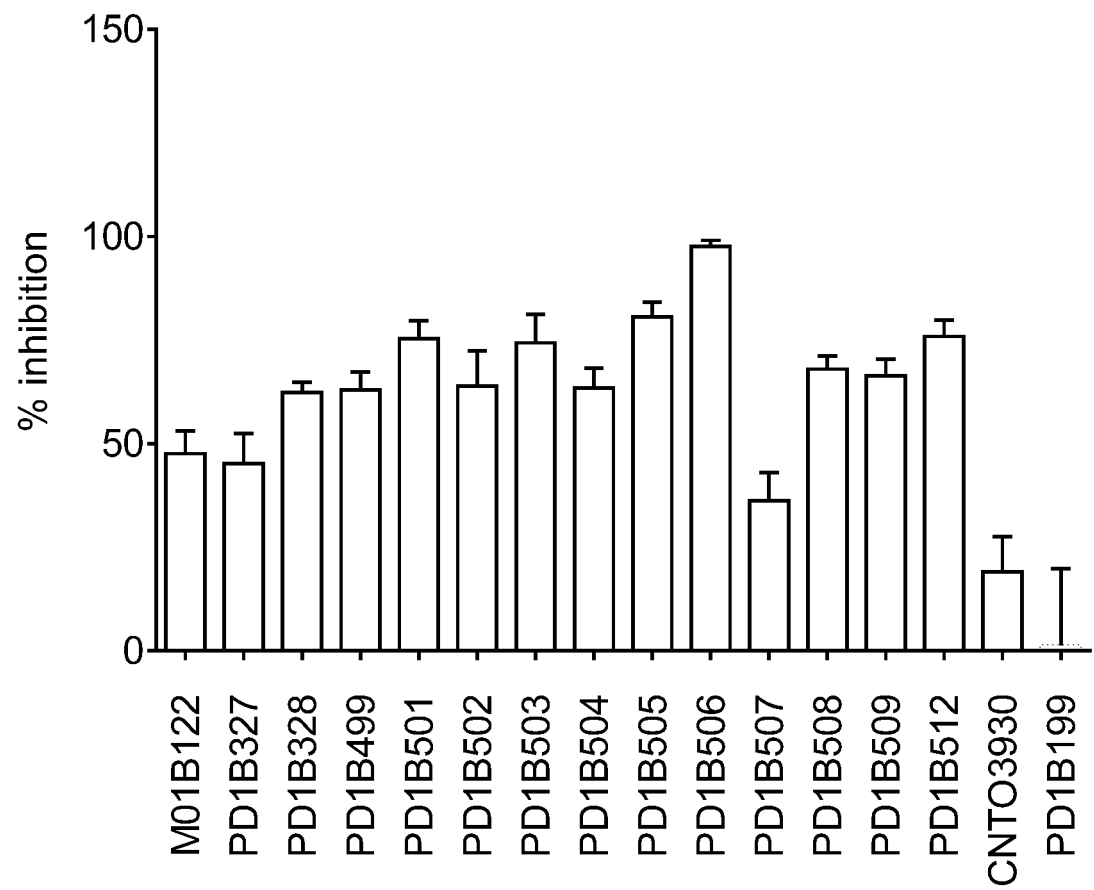
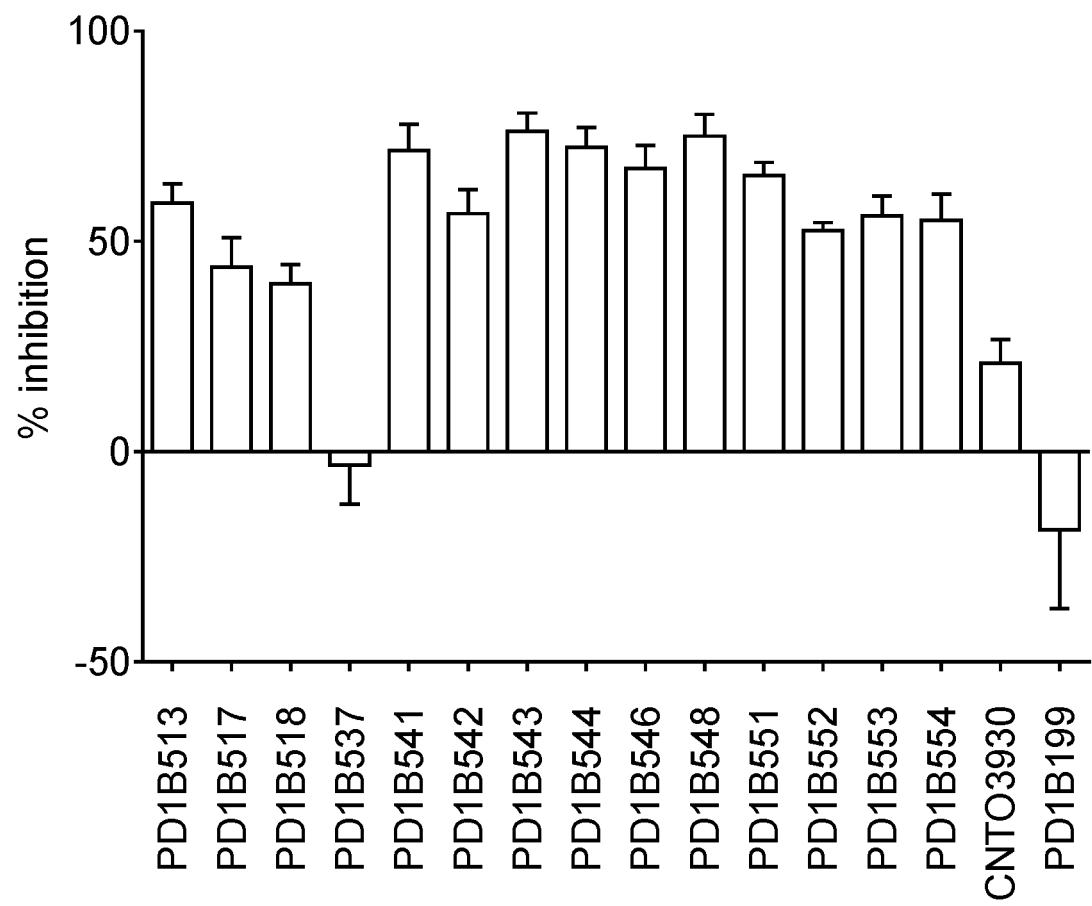


Figure 1B.



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Figure 2A.

|             |                                 |
|-------------|---------------------------------|
|             | 1                               |
| PD1H93_8    | DVQLQESGPELKKPGETVKISCKASGYTFT  |
| PD1H384_9   | QVQLVQSGSELKKPGASVKVSCASGYTFT   |
| PD1H405_10  | QVQLVQSGSELKKPGASVKVSCASGYTFT   |
| PD1H585_140 | QVQLVQSGSELKKPGASVKVSCASGYTFT   |
| PD1H586_141 | QVQLVQSGSELKKPGASVKVSCASGYTFT   |
| PD1H587_142 | QVQLVQSGSELKKPGASVKVSCASGYTFT   |
|             | :*** :*.***** :*:*****          |
|             |                                 |
| PD1H93_8    | DYSMHWVKQAPGKGLKWMGWINIETGEPTY  |
| PD1H384_9   | DYSMHWVRQAPGQGLEWMGWINIETGEPTY  |
| PD1H405_10  | DYSMHWVRQAPGQGLEWMGWINIETGEPTY  |
| PD1H585_140 | DYSMHWVRQAPGQGLEWMGWINIETGYPTY  |
| PD1H586_141 | DYSMHWVRQAPGQGLEWMGWINIETGHPTY  |
| PD1H587_142 | DYSMHWVRQAPGQGLEWMGWINIETGWPTY  |
|             | *****:****:*.***** **           |
|             |                                 |
| PD1H93_8    | ADDFKGRFAFSLETSASTAYLQINNLIKNE  |
| PD1H384_9   | AQGFTGRFVFSLDTSVSTAYLQICSLKAED  |
| PD1H405_10  | AQGFTGRFVFSLDTSVSTAYLQISSLKAED  |
| PD1H585_140 | AQGFTGRFVFSLDTSVSTAYLQISSLKAED  |
| PD1H586_141 | AQGFTGRFVFSLDTSVSTAYLQISSLKAED  |
| PD1H587_142 | AQGFTGRFVFSLDTSVSTAYLQISSLKAED  |
|             | *:.*.***.***:*.***** .** **     |
|             |                                 |
|             | 121                             |
| PD1H93_8    | TATYFCARDYYGTYFYAMDYWGQGTTLVSS  |
| PD1H384_9   | TAVYFCARDYYGTYFYAMDYWGQGLTVTVSS |
| PD1H405_10  | TAVYFCARDYYGTYFYAMDYWGQGLTVTVSS |
| PD1H585_140 | TAVYFCARDYYGTYFYAMDYWGQGLTVTVSS |
| PD1H586_141 | TAVYFCARDYYGTYFYAMDYWGQGLTVTVSS |
| PD1H587_142 | TAVYFCARDYYGTYFYAMDYWGQGLTVTVSS |
|             | ** .***** :****                 |

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Figure 2B.

|             |                                       |
|-------------|---------------------------------------|
|             | 1                                     |
| PD1L30_14   | <u>QIVLTQSPAIMSASLGERVTMTCTASSSVS</u> |
| PD1L468_15  | <u>EIVLTQSPATLSLSPGERATLSCTASSSVS</u> |
| PD1L469_16  | <u>EIVLTQSPATLSLSPGERATLSCTASSSVS</u> |
| PD1L651_143 | <u>EIVLTQSPATLSLSPGERATLSCTASSSFS</u> |
| PD1L652_144 | <u>EIVLTQSPATLSLSPGERATLSCTASSSVP</u> |
|             | :***** :* * ***.*:;*****..            |
| PD1L30_14   | <u>SSYLHWYQQKPGSSPKLWIYSTSNLASGVP</u> |
| PD1L468_15  | <u>SSYLHWYQQKGPLAPRLLIYSTSNLASGIP</u> |
| PD1L469_16  | <u>SSYLHWYQQKGPLAPRLLIYSTSNLASGIP</u> |
| PD1L651_143 | <u>SSYLHWYQQKGPLAPRLLIYSTSNLASGIP</u> |
| PD1L652_144 | <u>SSYLHWYQQKGPLAPRLLIYSTSNLASGIP</u> |
|             | ***** :*: *****:*                     |
| PD1L30_14   | <u>ARFSGSGSGTSYSLTISSEAEADAATYYCH</u> |
| PD1L468_15  | <u>DRFSGSGSGTDFTLTISRLEPEDFAVYYCH</u> |
| PD1L469_16  | <u>DRFSGSGSGTDYTLTISRLEPEDFAVYYCH</u> |
| PD1L651_143 | <u>DRFSGSGSGTDYTLTISRLEPEDFAVYYCH</u> |
| PD1L652_144 | <u>DRFSGSGSGTDYTLTISRLEPEDFAVYYCH</u> |
|             | *****.:;***** :*. ** *.*****          |
|             | 108                                   |
| PD1L30_14   | <u>QYHRSPLTFGAGTKLELK</u>             |
| PD1L468_15  | <u>QYHRSPLTFGQGTKLEIK</u>             |
| PD1L469_16  | <u>QYHRSPLTFGQGTKLEIK</u>             |
| PD1L651_143 | <u>QYHRSPLTFGQGTKLEIK</u>             |
| PD1L652_144 | <u>QYHRSPLTFGQGTKLEIK</u>             |
|             | ***** *****:*                         |

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Figure 3A.

1  
 PD1H90 QVQLQQPGAELVKPGASVKLSCKASGYTFT  
 PD1H388 QVQLVQSGAEVKKPGASVKVSCCKASGYTFT  
 PD1H399 QVQLVQSGAEVKKPGASVKVSCCKASGYTFT  
 PD1H400 QVQLVQSGAEVKKPGASVKVSCCKASGYTFT  
 PD1H401 QVQLVQSGAEVKKPGASVKVSCCKASGYTFT  
 PD1H402 QVQLVQSGAEVKKPGASVKVSCCKASGYTFT  
 PD1H403 QVQLVQSGAEVKKPGASVKVSCCKASGYTFT  
 PD1H404 QVQLVQSGAEVKKPGASVKVSCCKASGYTFT  
 \*\*\*\* \*.\*\*\*: \*\*\*\*\*:\*\*\*\*\*

PD1H90 TYWMHWVKQRPGQGLEWIGEINPNNGGINY  
 PD1H388 TYWMHWVRQAPGQGLEWMGEINPNNGGINY  
 PD1H399 TYWMHWVRQAPGQGLEWMGEINPNNAGINY  
 PD1H400 TYWMHWVRQAPGQGLEWMGEINPNDAGINY  
 PD1H401 TYWMHWVRQAPGQGLEWMGEINPNQGGINY  
 PD1H402 TYWMHWVRQAPGQGLEWMGEINPNKGGINY  
 PD1H403 TYWMHWVRQAPGQGLEWMGEINPNEGGINY  
 PD1H404 TYWMHWVRQAPGQGLEWMGEINPNNIGINY  
 \*\*\*\*\*:\*. \*\*\*\*\*:\*\*\*\*\*. \*\*\*\*

PD1H90 NEKFKKKATLTVDKSSSTAYMQLSSLTSED  
 PD1H388 AQKFQGRVTLTVDKSISTAYMELSRLRSDD  
 PD1H399 AQKFQGRVTLTVDKSISTAYMELSRLRSDD  
 PD1H400 AQKFQGRVTLTVDKSISTAYMELSRLRSDD  
 PD1H401 AQKFQGRVTLTVDKSISTAYMELSRLRSDD  
 PD1H402 AQKFQGRVTLTVDKSISTAYMELSRLRSDD  
 PD1H403 AQKFQGRVTLTVDKSISTAYMELSRLRSDD  
 PD1H404 AQKFQGRVTLTVDKSISTAYMELSRLRSDD  
 \*\*: :.\*\*\*\*\* \*\*\*\*\*:\*\*\* \* \*:\*

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PD1H90 SAVYYCTIDYYDYGGYWGQGTTLTVSS  
 PD1H388 TAVYYCTIDYYDYGGYWGQGTTLTVSS  
 PD1H399 TAVYYCTIDYYDYGGYWGQGTTLTVSS  
 PD1H400 TAVYYCTIDYYDYGGYWGQGTTLTVSS  
 PD1H401 TAVYYCTIDYYDYGGYWGQGTTLTVSS  
 PD1H402 TAVYYCTIDYYDYGGYWGQGTTLTVSS  
 PD1H403 TAVYYCTIDYYDYGGYWGQGTTLTVSS  
 PD1H404 TAVYYCTIDYYDYGGYWGQGTTLTVSS  
 :\*\*\*\*\*:\*\*\*\*\*

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Figure 3B.

|         |                                                         |
|---------|---------------------------------------------------------|
|         | 1                                                       |
| PD1L28  | DIVMTQSQKFMSTSVRDRVSVTCKASQNVG                          |
| PD1L470 | DIQMTQSPSSLSASVGDRVITITCKASQNVG                         |
| PD1L471 | DIQMTQSPSSLSASVGDRVITITCKASQNVG                         |
|         | ** ***** . :*:** ***:*****                              |
|         |                                                         |
| PD1L28  | TNVAWYQQKPGQSPKALIYSASYRYS <del>GV</del> PD             |
| PD1L470 | TNVAWYQQKPEKAPKSLIYSASYRYS <del>GV</del> PS             |
| PD1L471 | TNVAWYQQKPEKAPKALIYSASYRYS <del>GV</del> PS             |
|         | ***** :*:*****.                                         |
|         |                                                         |
| PD1L28  | RFTGSGSGTDFTLTITNVQSEDLAEYFC <del>QQ</del>              |
| PD1L470 | RFSGSGSGTDFTLTIS <del>SL</del> QPEDFATYYC <del>QQ</del> |
| PD1L471 | RFSGSGSGTDFTLTIS <del>SL</del> QPEDFATYFC <del>QQ</del> |
|         | *:*****:.*.*:* *:*                                      |
|         |                                                         |
|         | 107                                                     |
| PD1L28  | YNIYPYTFGSGTKLEMK                                       |
| PD1L470 | YNIYPYTFGQGTKLEIK                                       |
| PD1L471 | YNIYPYTFGQGTKLEIK                                       |
|         | *****.******:                                           |

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Figure 4A.

|         |                                                         |
|---------|---------------------------------------------------------|
|         | 1                                                       |
| PD1H81  | <u>QVTLKESGPGLLQPSQTL</u> SLTCSFSGFSL <u>S</u>          |
| PD1H389 | <u>QITLKESGPTLVKPTQTL</u> TLTCTFS <u>G</u> FSL <u>S</u> |
|         | *:***** *:*:*:*:*:*:*:*****                             |
| PD1H81  | <u>TSGMGVSWIRQPSGKGLEWLAHIYWDDDKR</u>                   |
| PD1H389 | <u>TSGMGVSWIRQPPGKALEWLAHIYWDDDKR</u>                   |
|         | *****.***.*****                                         |
| PD1H81  | YNPSLKSRLTISKDTSSNQVFLKITSVDTA                          |
| PD1H389 | YSPSLKSRLTITKDTSKNQVVLMTNMDPV                           |
|         | *.*****:****.***.*.:*.:*..                              |
|         | 122                                                     |
| PD1H81  | DTGTYYCVRKGYDYGYVMDYWGQGTTVTVSS                         |
| PD1H389 | DTGTYYCVRKGYDYGYVMDYWGQGLTVTVSS                         |
|         | *****                                                   |

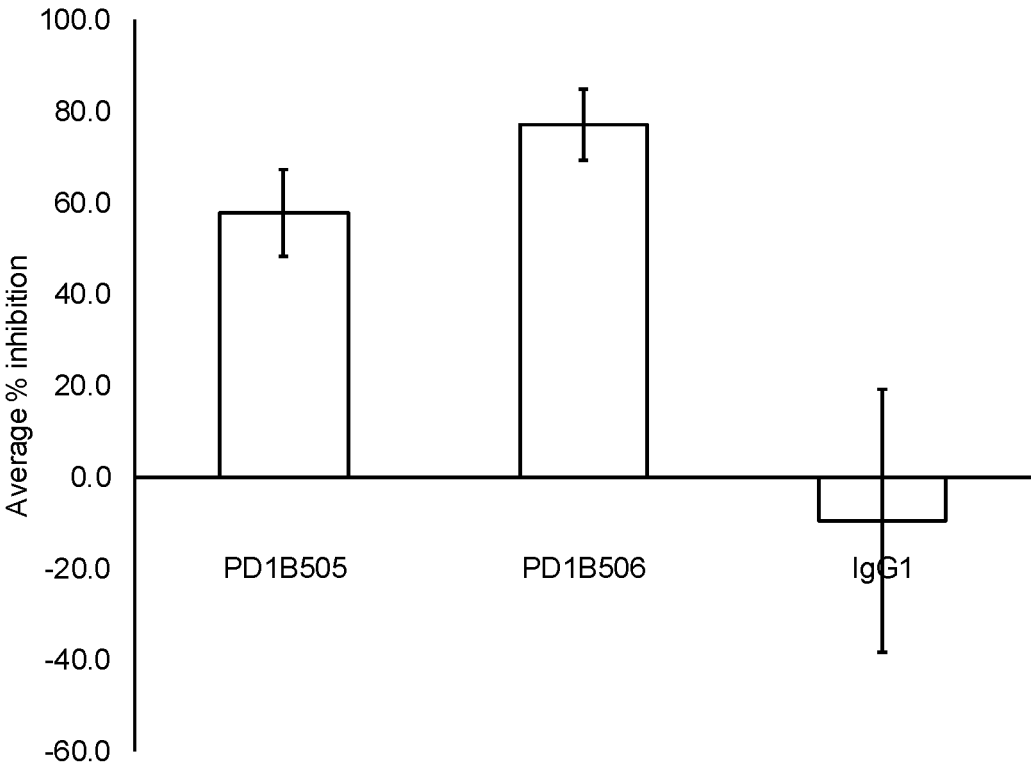
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Figure 4B.

|         |                                        |
|---------|----------------------------------------|
|         | 1                                      |
| PD1L43  | <u>DIVMTQAALSNPVT</u> LGTSASISCRSSKSLL |
| PD1L472 | DIVMTQSPLSLPVT <u>PGEPASISCRSSKSLL</u> |
| PD1L473 | DIVMTQSPLSLPVT <u>PGEPASISCRSSKSLL</u> |
|         | *****;.*** ** *                        |
| PD1L43  | <u>HSNGITYLNWYLQKPGQSPQLLIYQMSNLA</u>  |
| PD1L472 | <u>HSNGITYLNWYLQKPGQSPQLLIYQMSNLA</u>  |
| PD1L473 | <u>HSNGITYLNWYLQKPGQSPQLLIYQMSNLA</u>  |
|         | *****                                  |
| PD1L43  | <u>SGVPDRFSSSGSGTDFTLRISRVEAEDVGV</u>  |
| PD1L472 | <u>SGVPDRFSGSGSGTDFTLKISRVEAEDVGV</u>  |
| PD1L473 | <u>SGVPDRFSSSGSGTDFTLKISRVEAEDVGV</u>  |
|         | *****.*****;*****                      |
|         | 112                                    |
| PD1L43  | <u>YYCAQNLELPLTFGSGTKLEMK</u>          |
| PD1L472 | <u>YYCAQNLELPLTFGGGTKVEIK</u>          |
| PD1L473 | <u>YYCAQNLELPLTFGGGTKVEIK</u>          |
|         | *****.***:*:*                          |

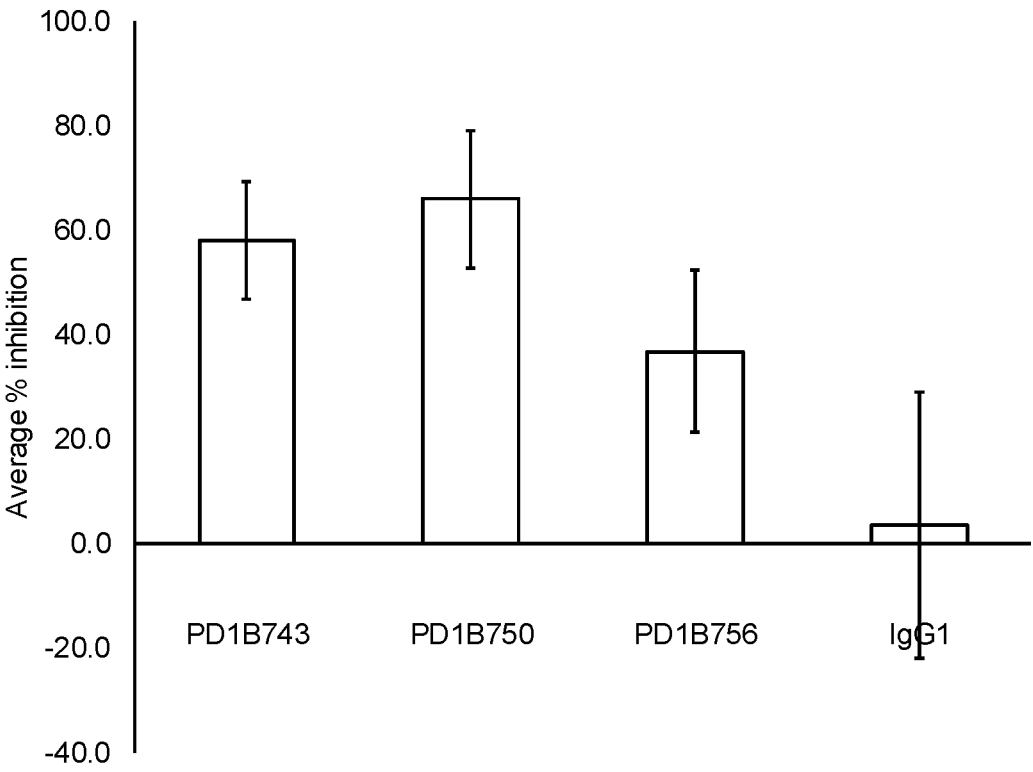
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Figure 5A.



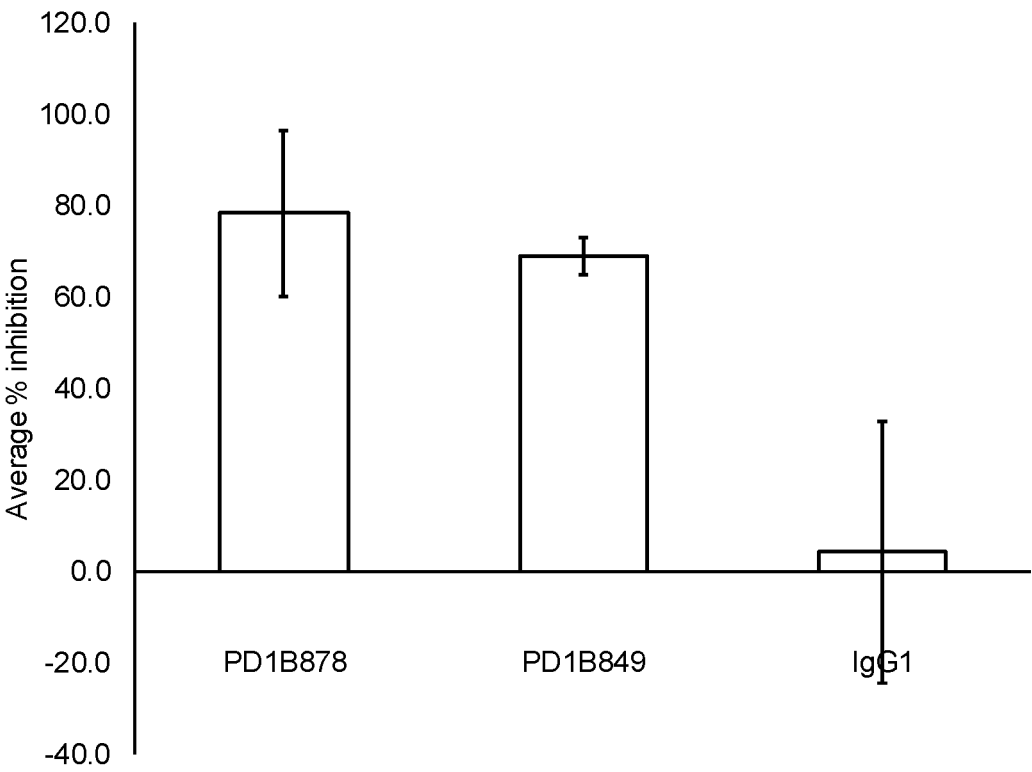
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Figure 5B.



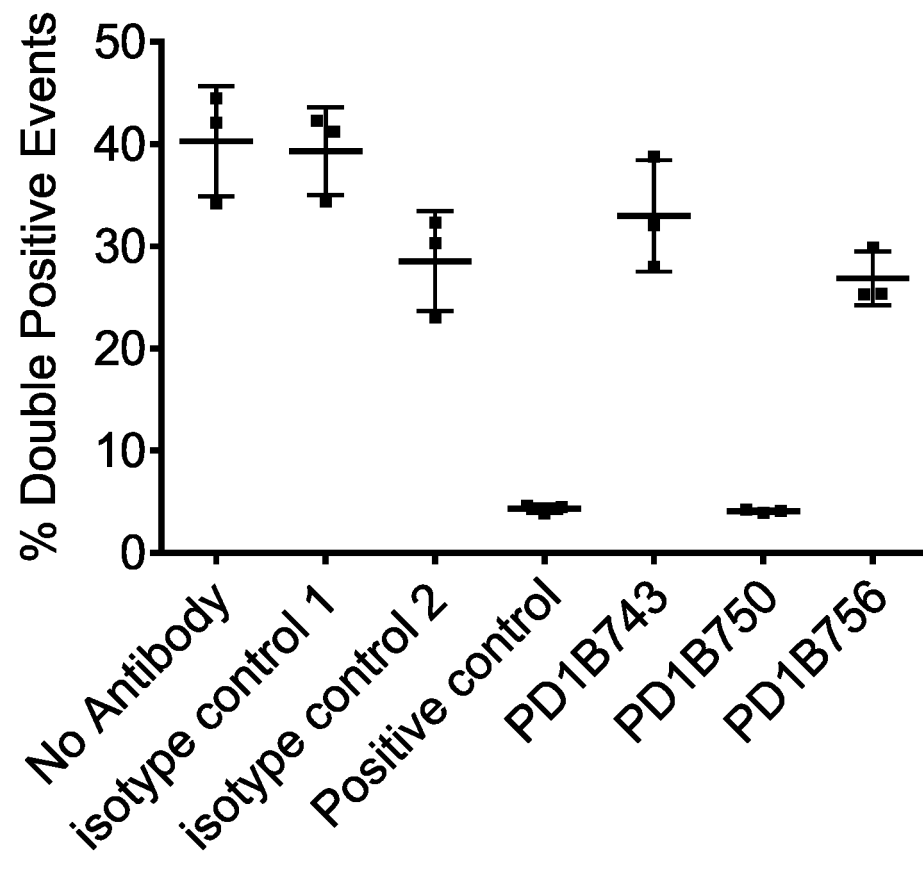
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Figure 5C.



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Figure 6A.



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Figure 6B.

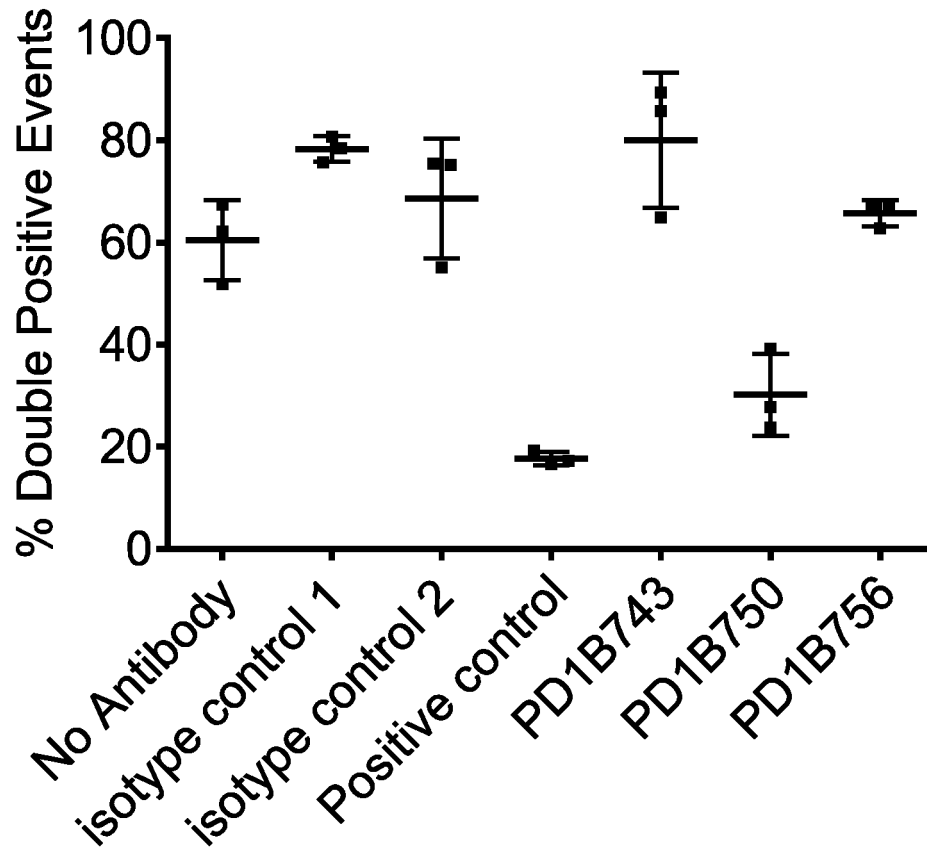


Figure 7.

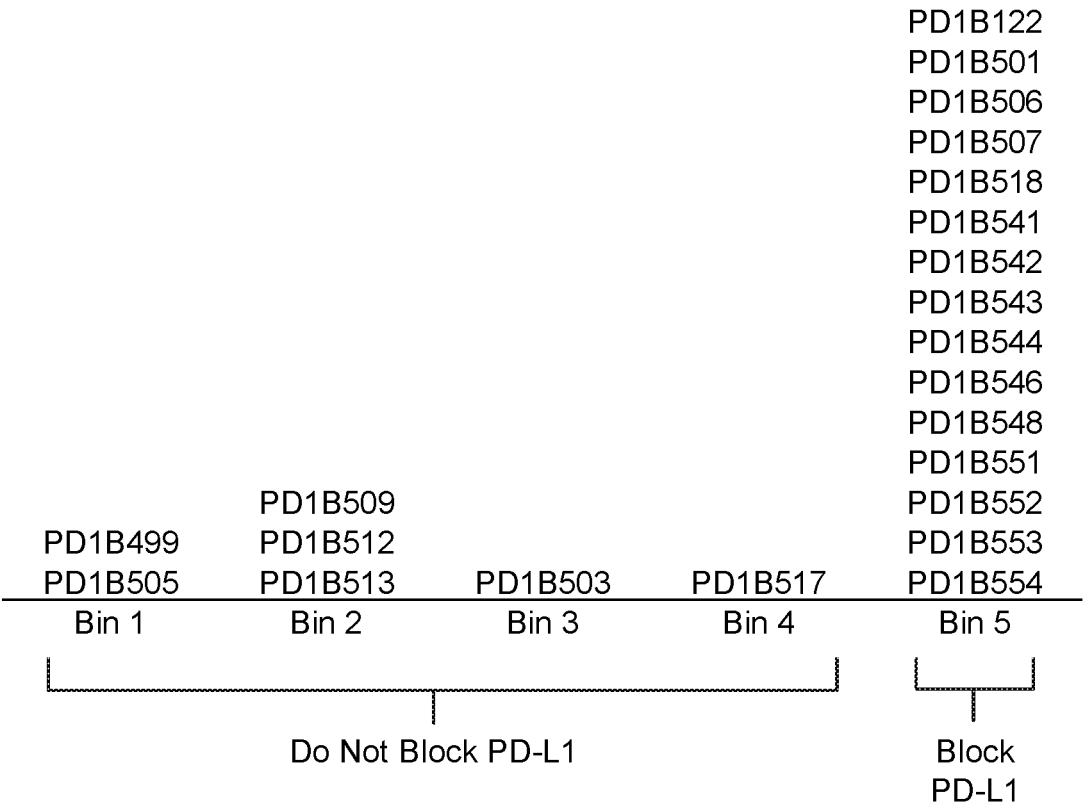


Figure 8A.

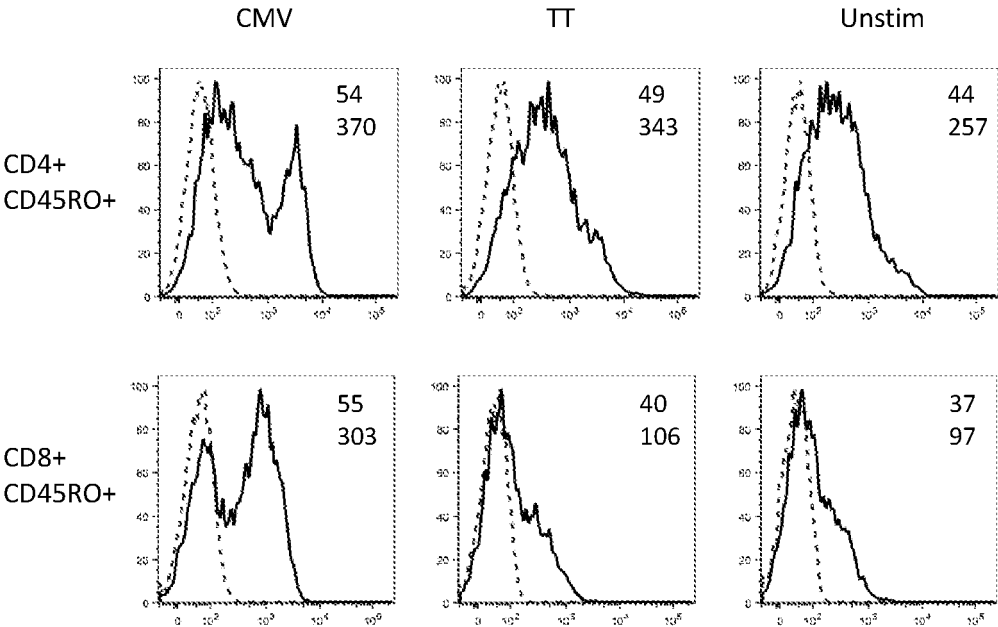


Figure 8B.

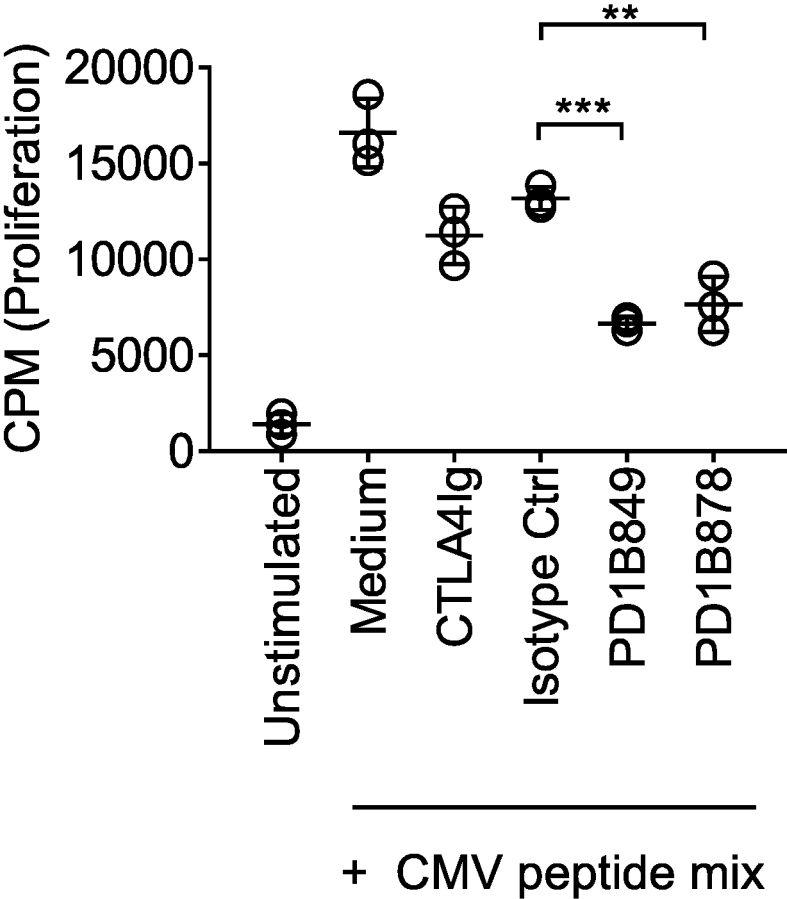


Figure 9A.

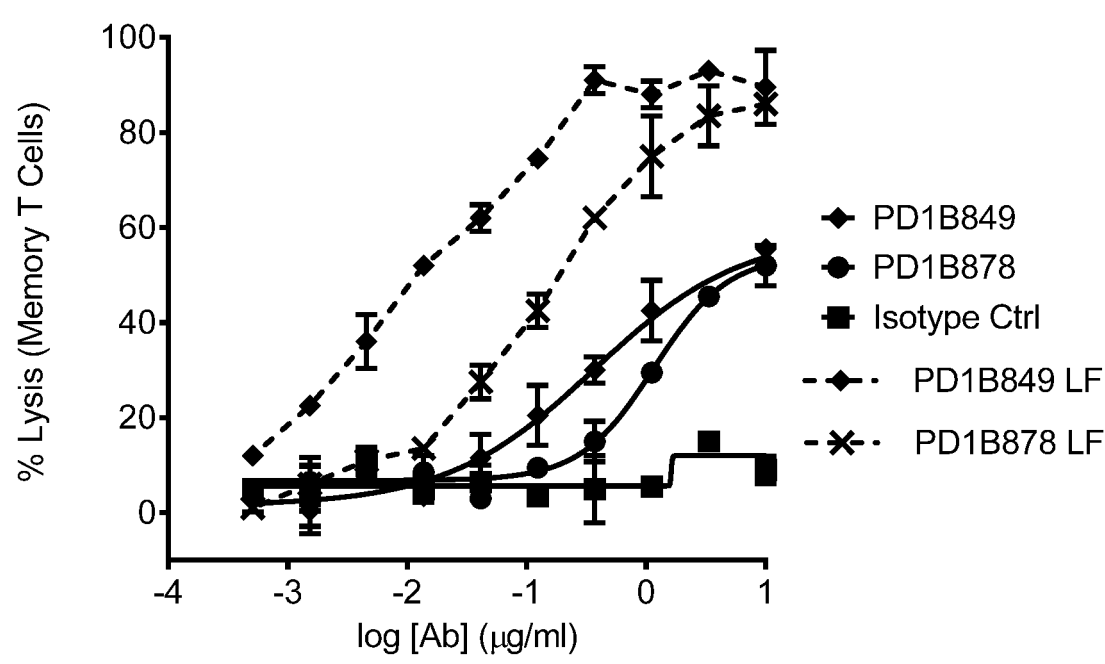


Figure 9B.

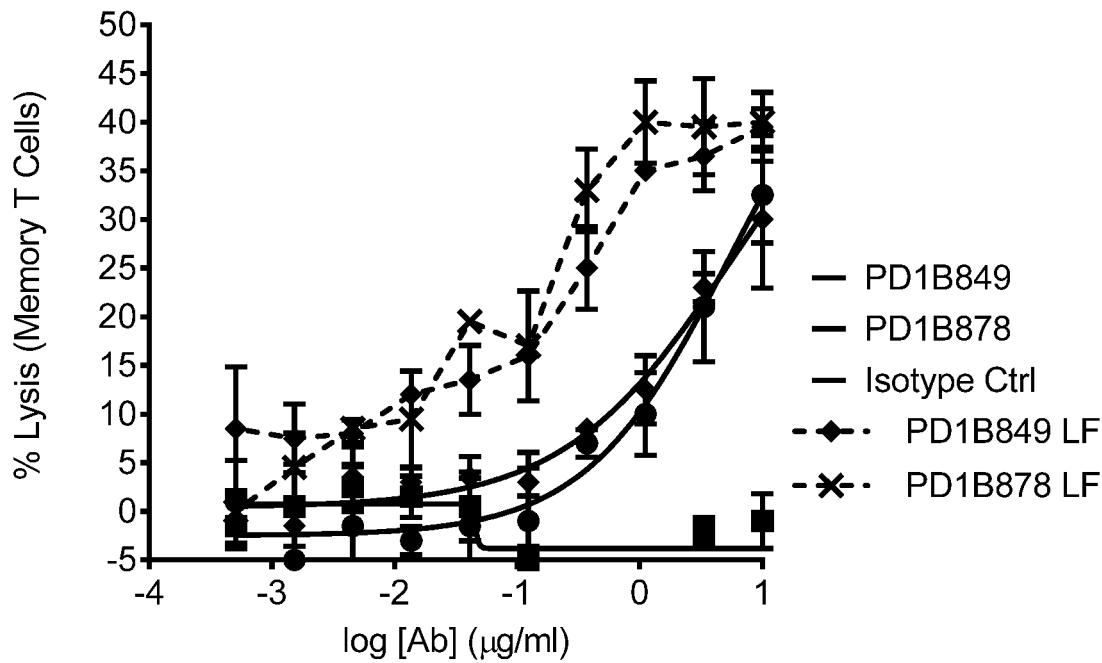


Figure 10A.

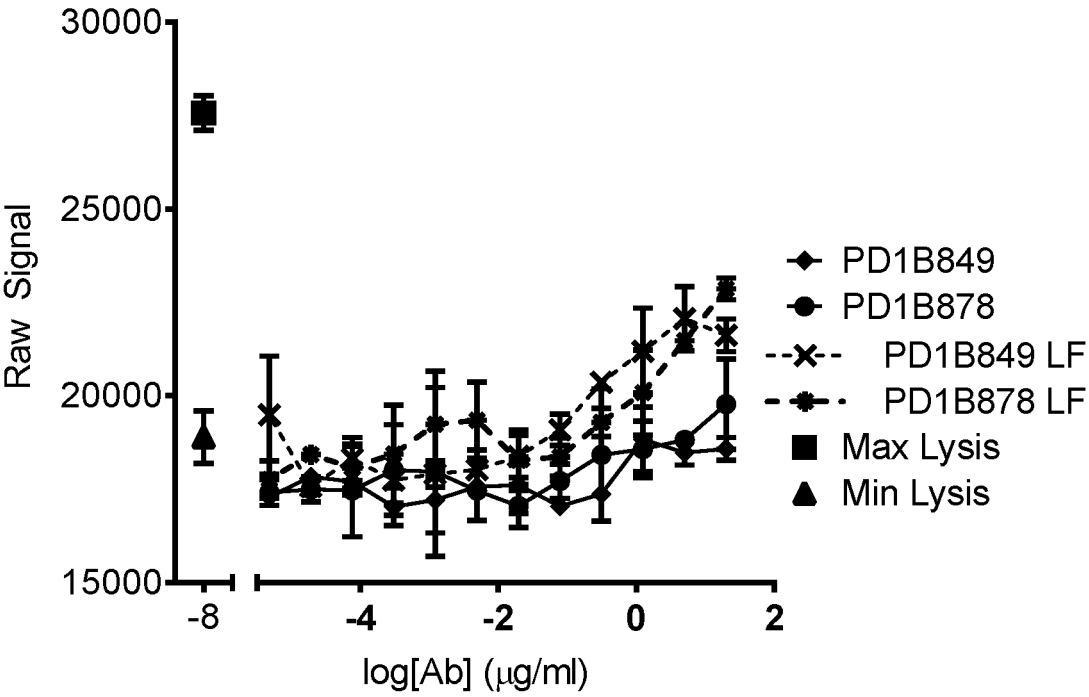


Figure 10B.

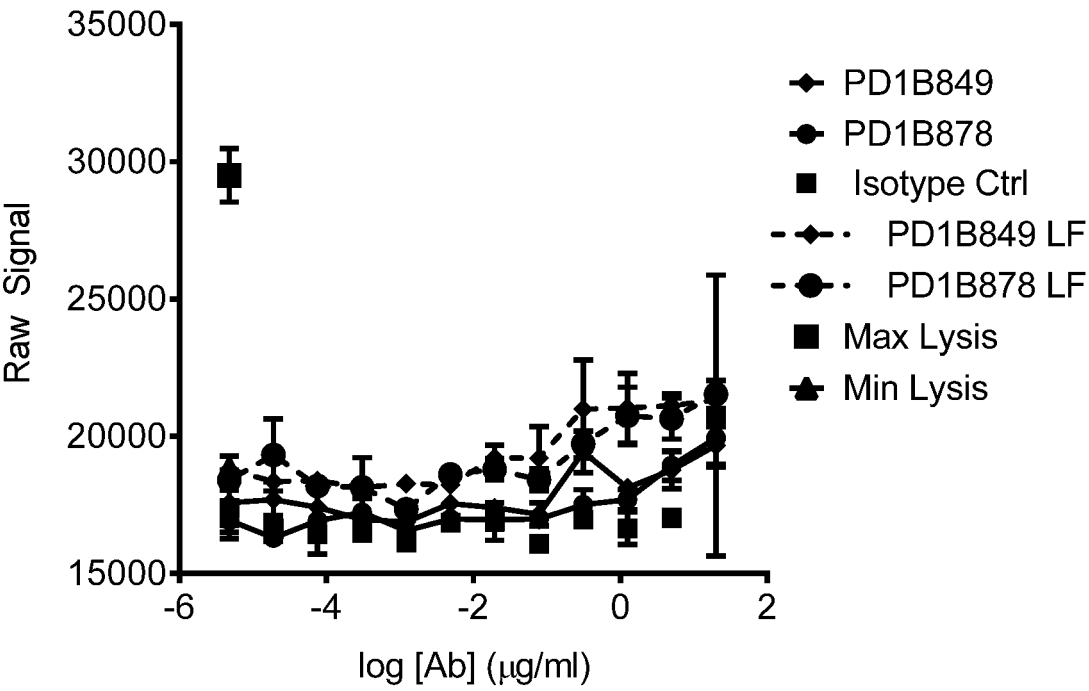
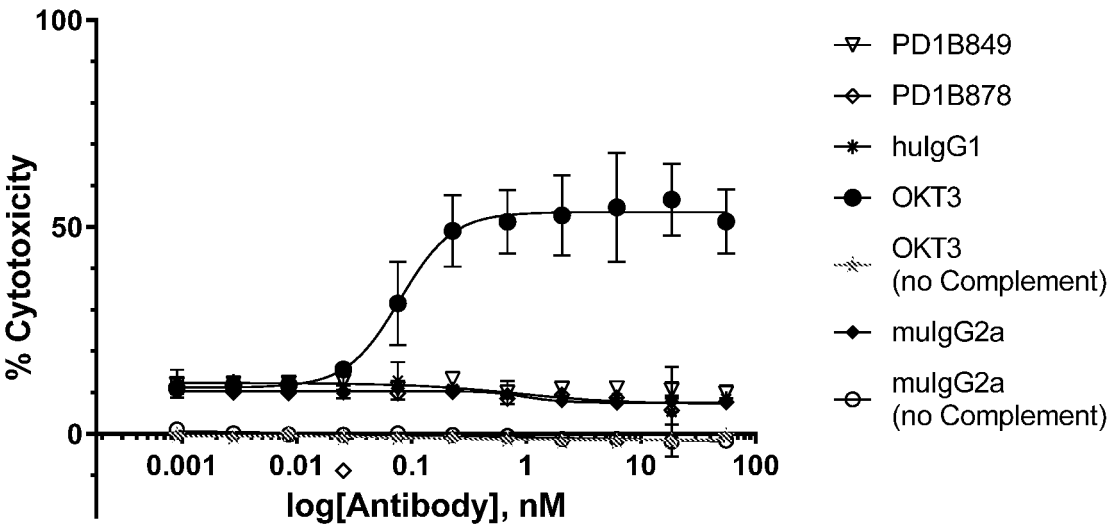


Figure 11.



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Figure 12.

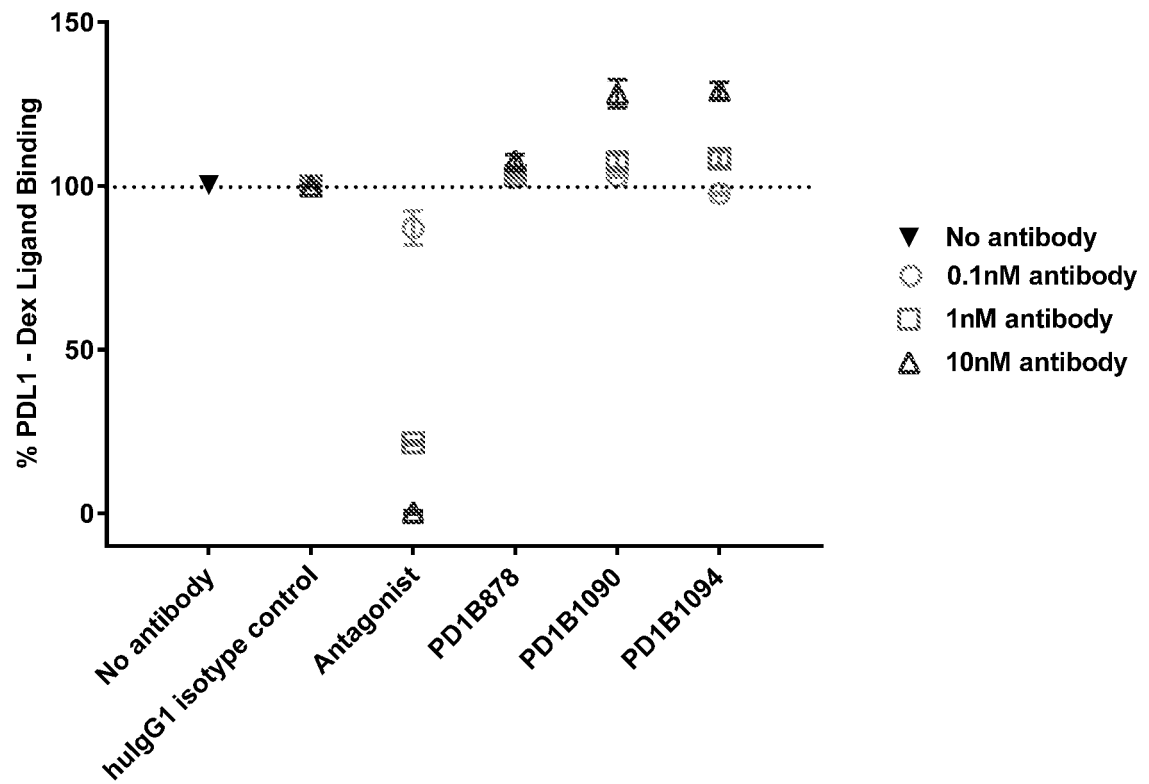


Figure 13A.

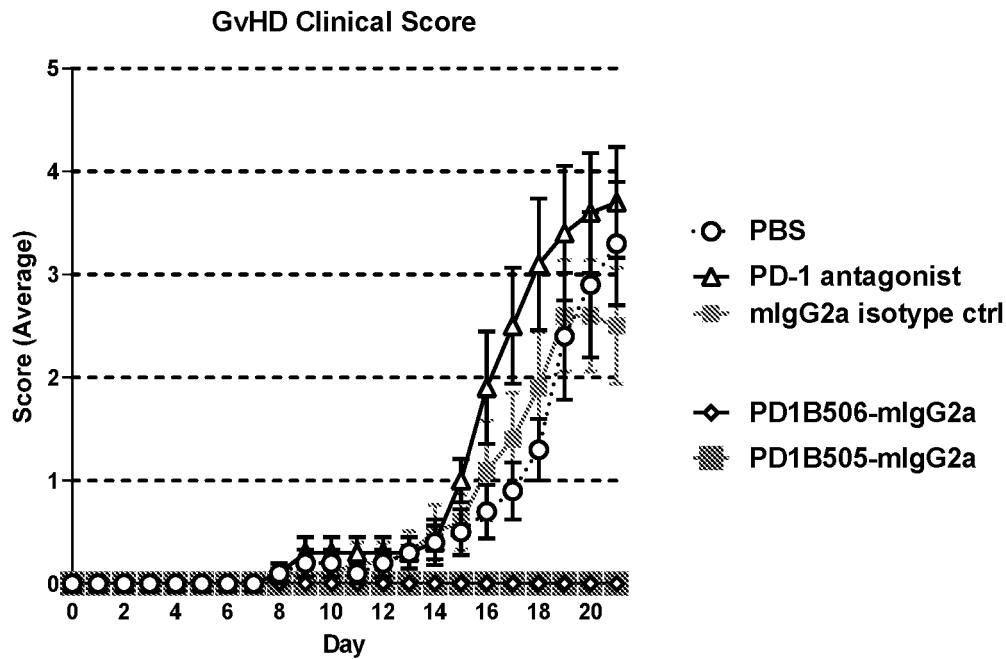


Figure 13B.

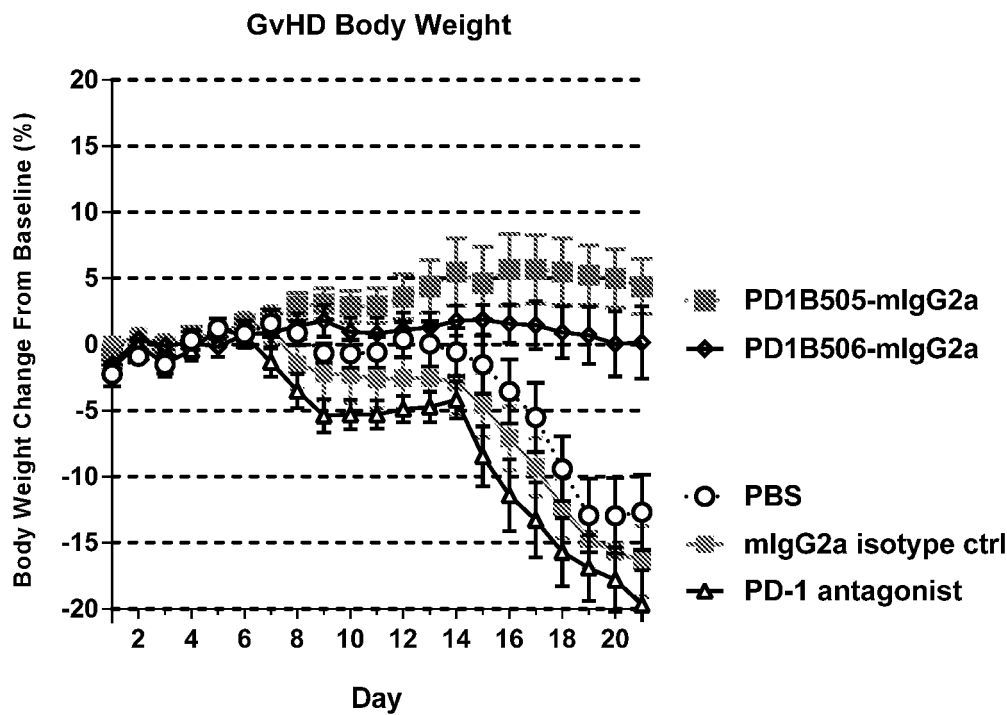


Figure 14A.

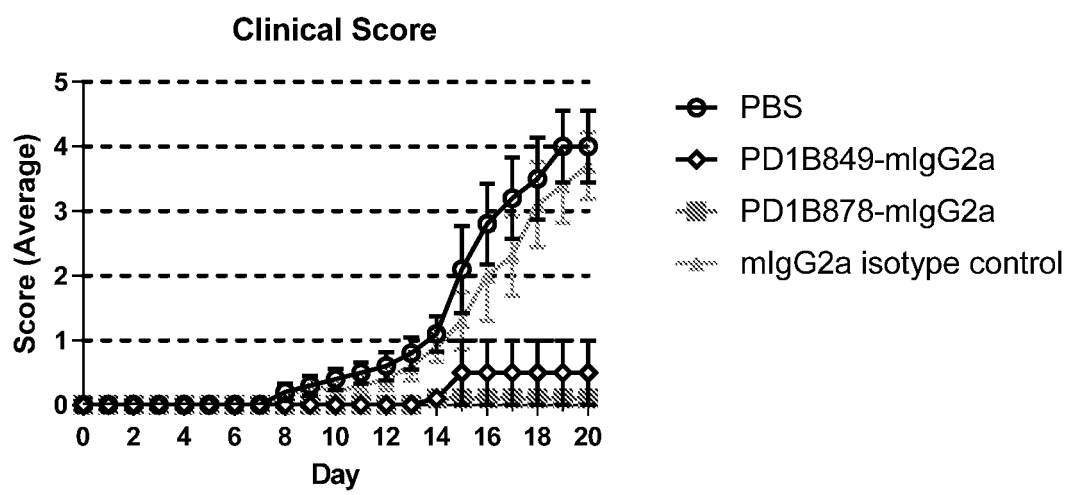
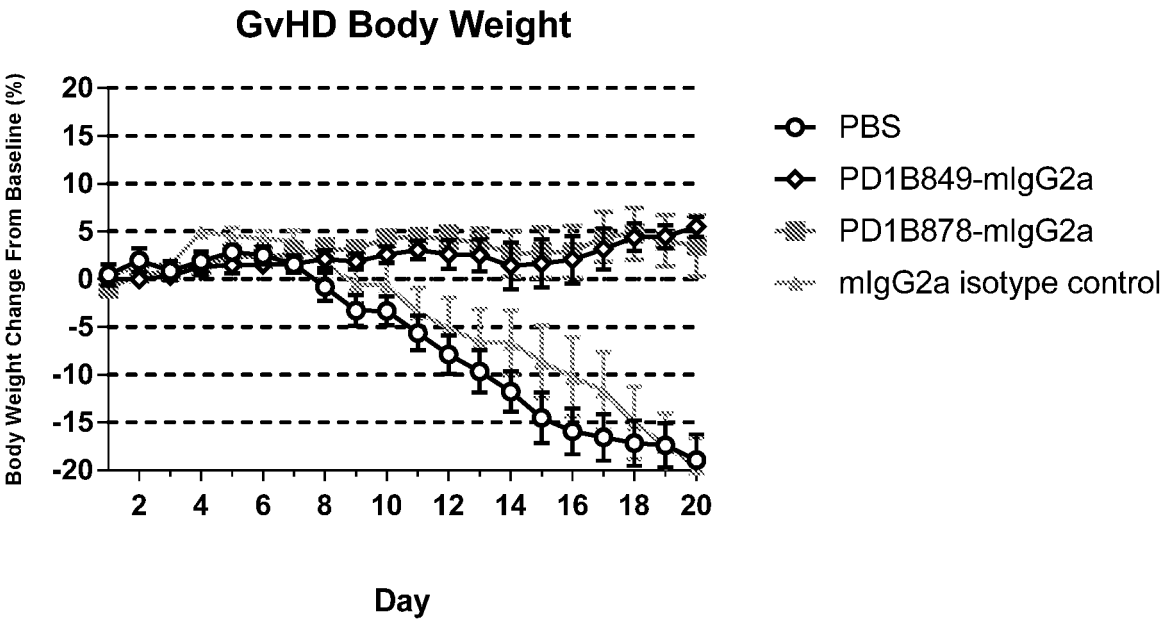


Figure 14B.



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Figure 15.

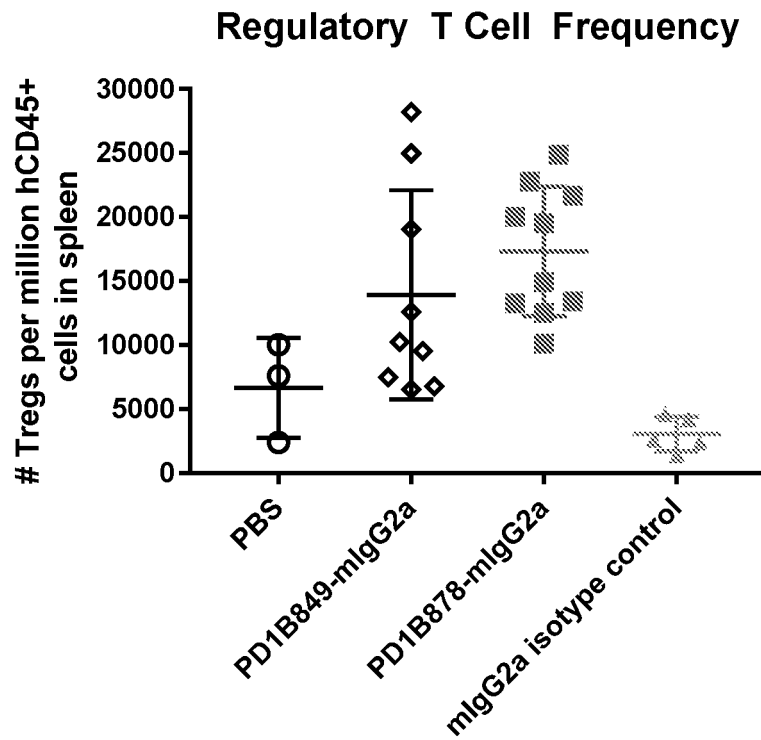


Figure 16.

