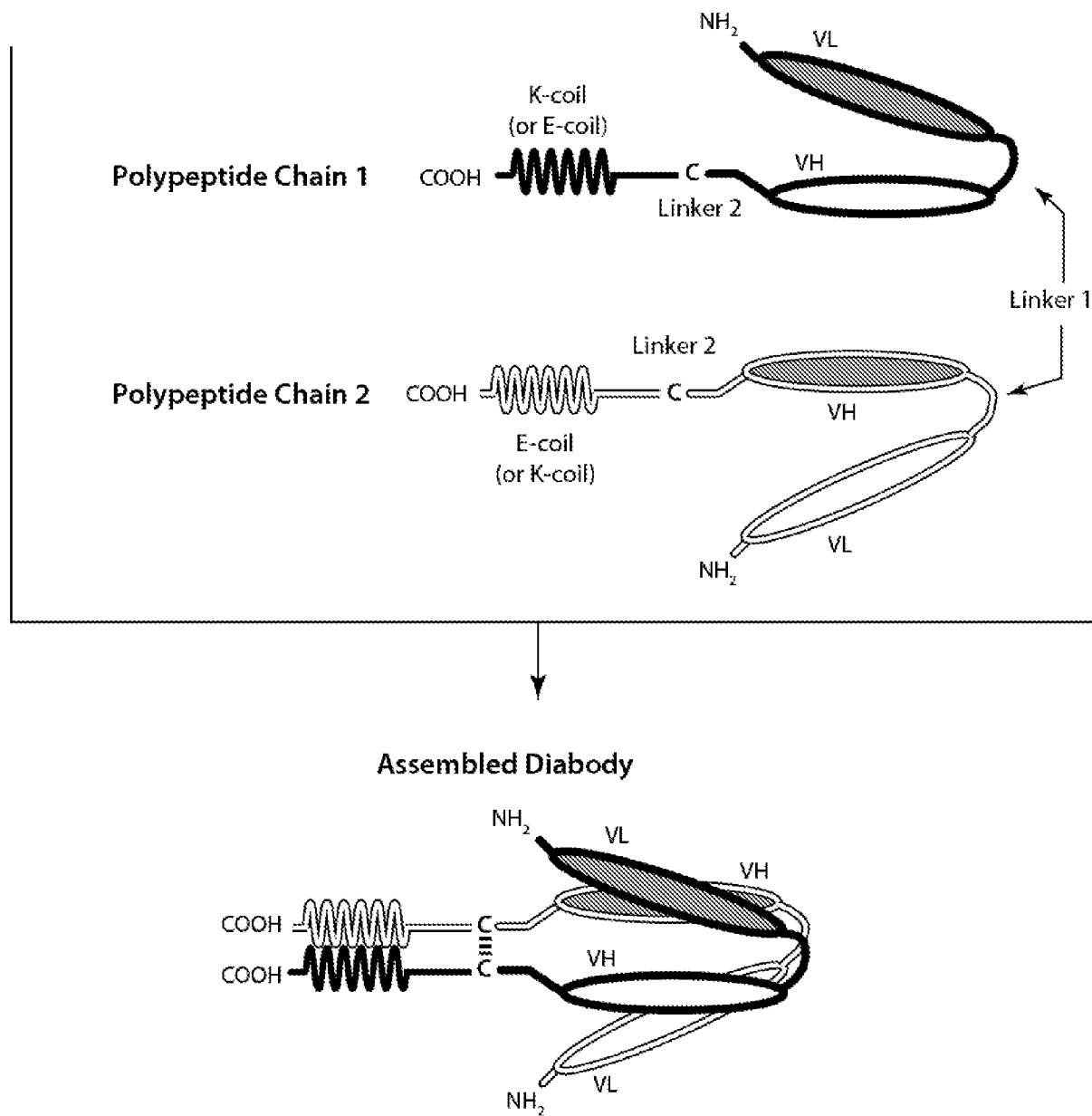
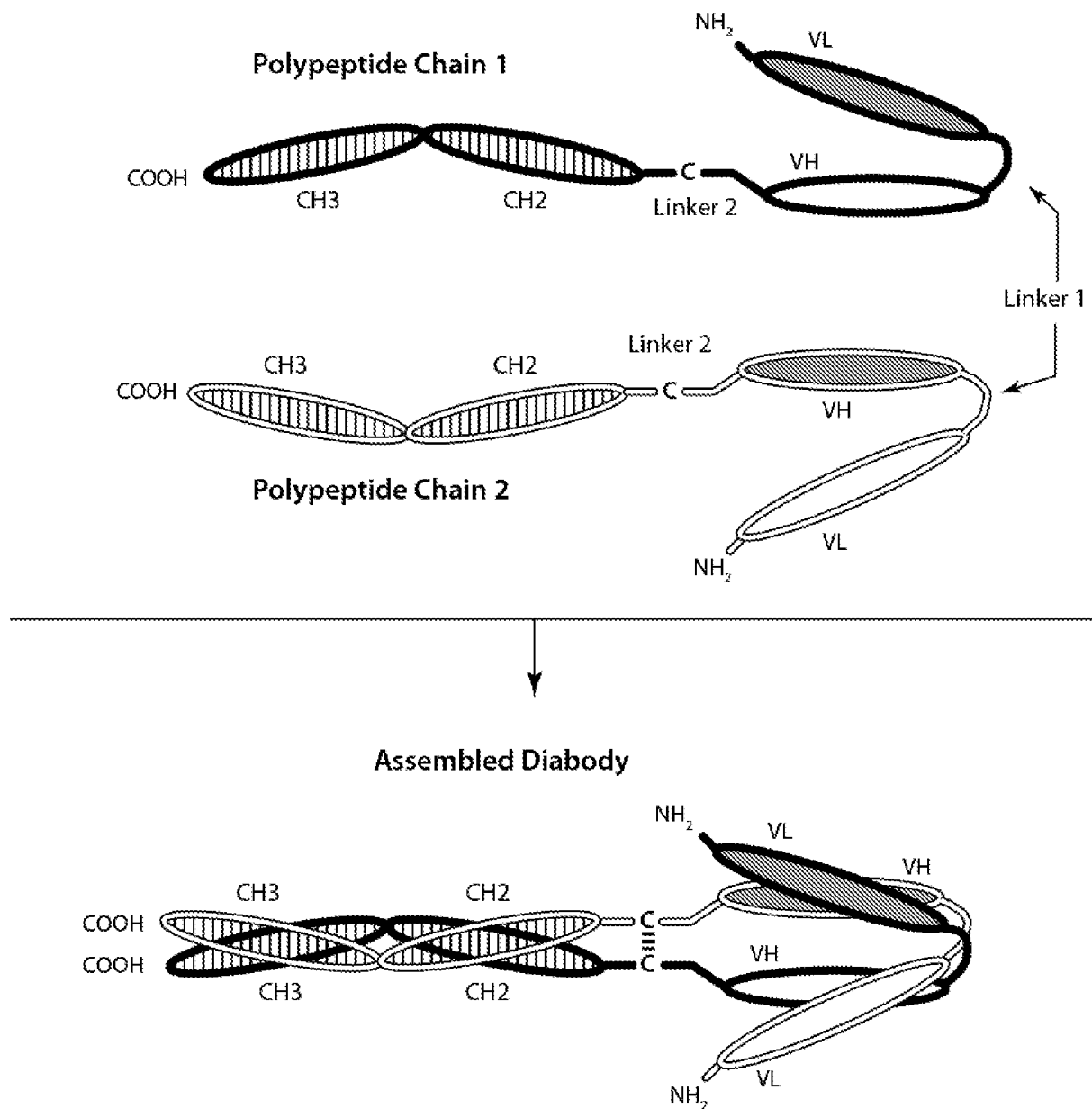


**Figure 1**

**Figure 2**

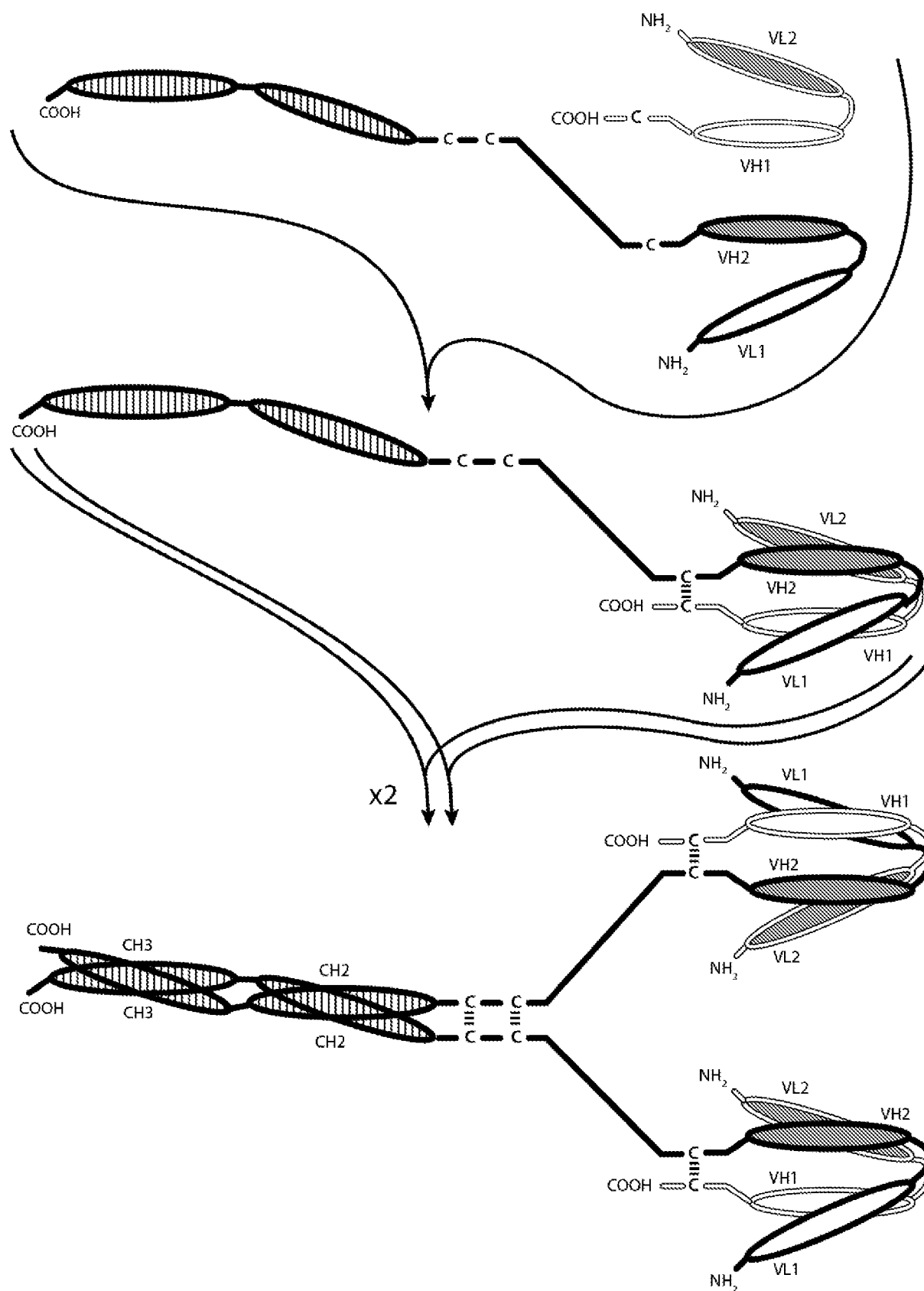


Figure 3A

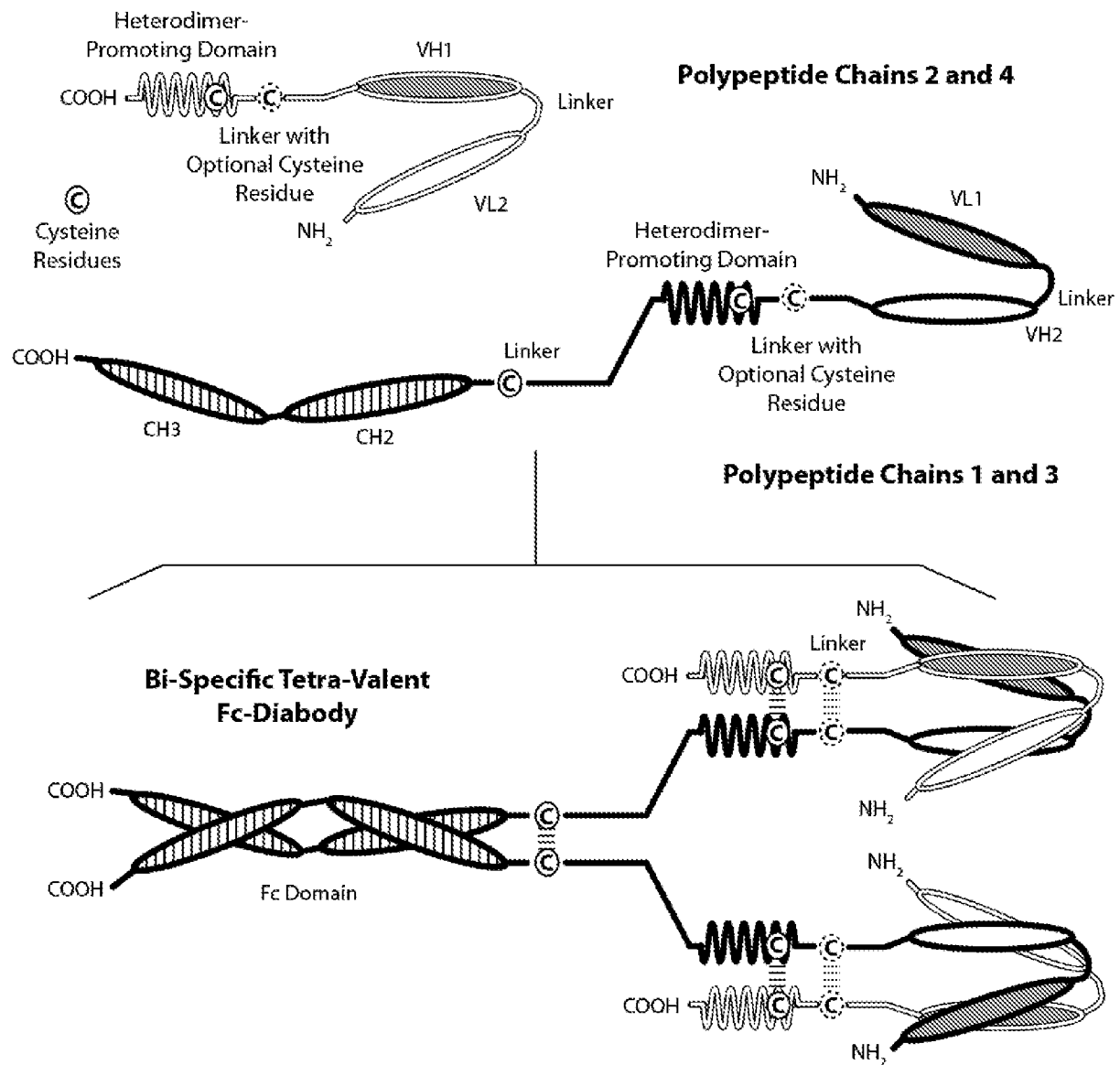
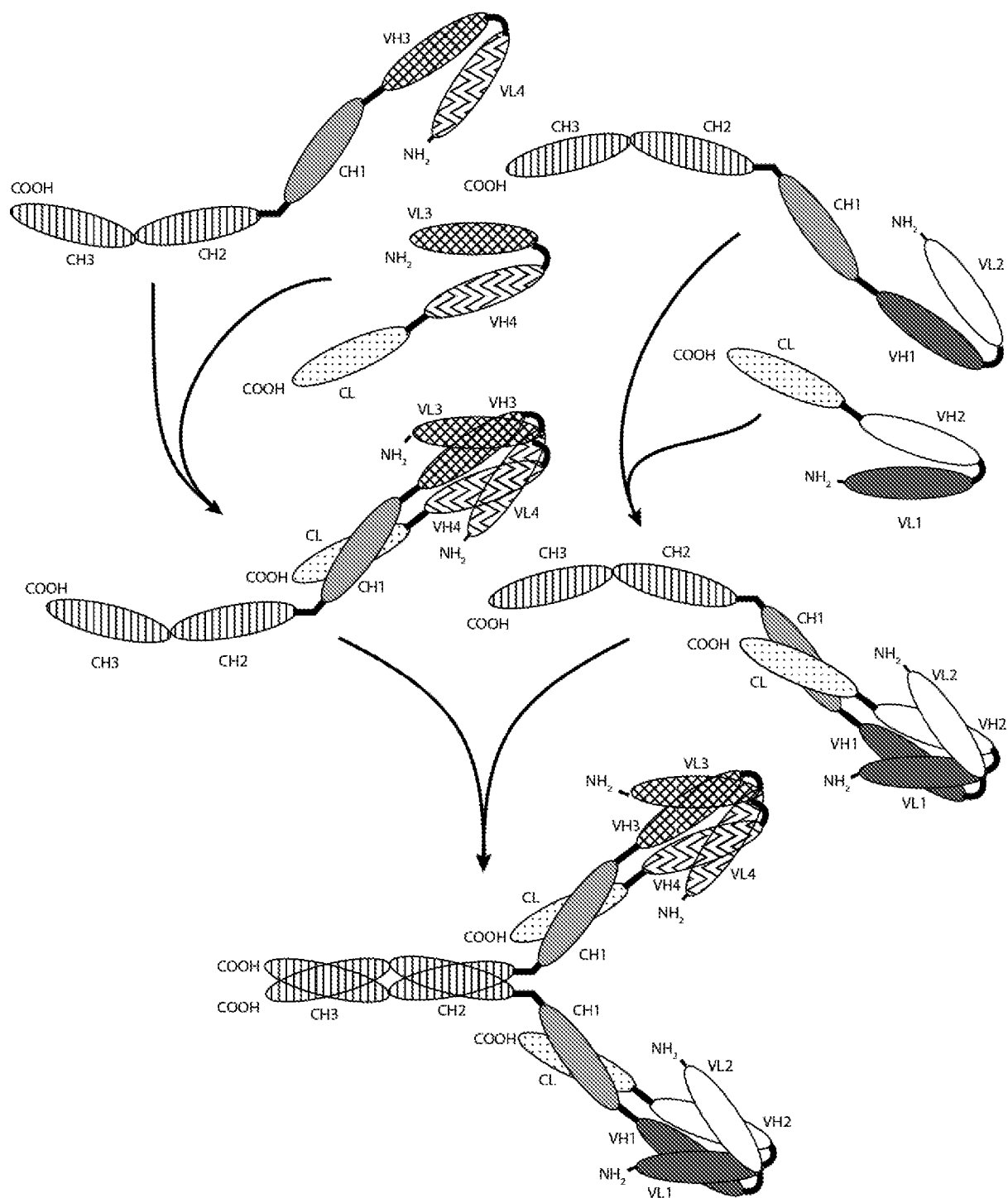
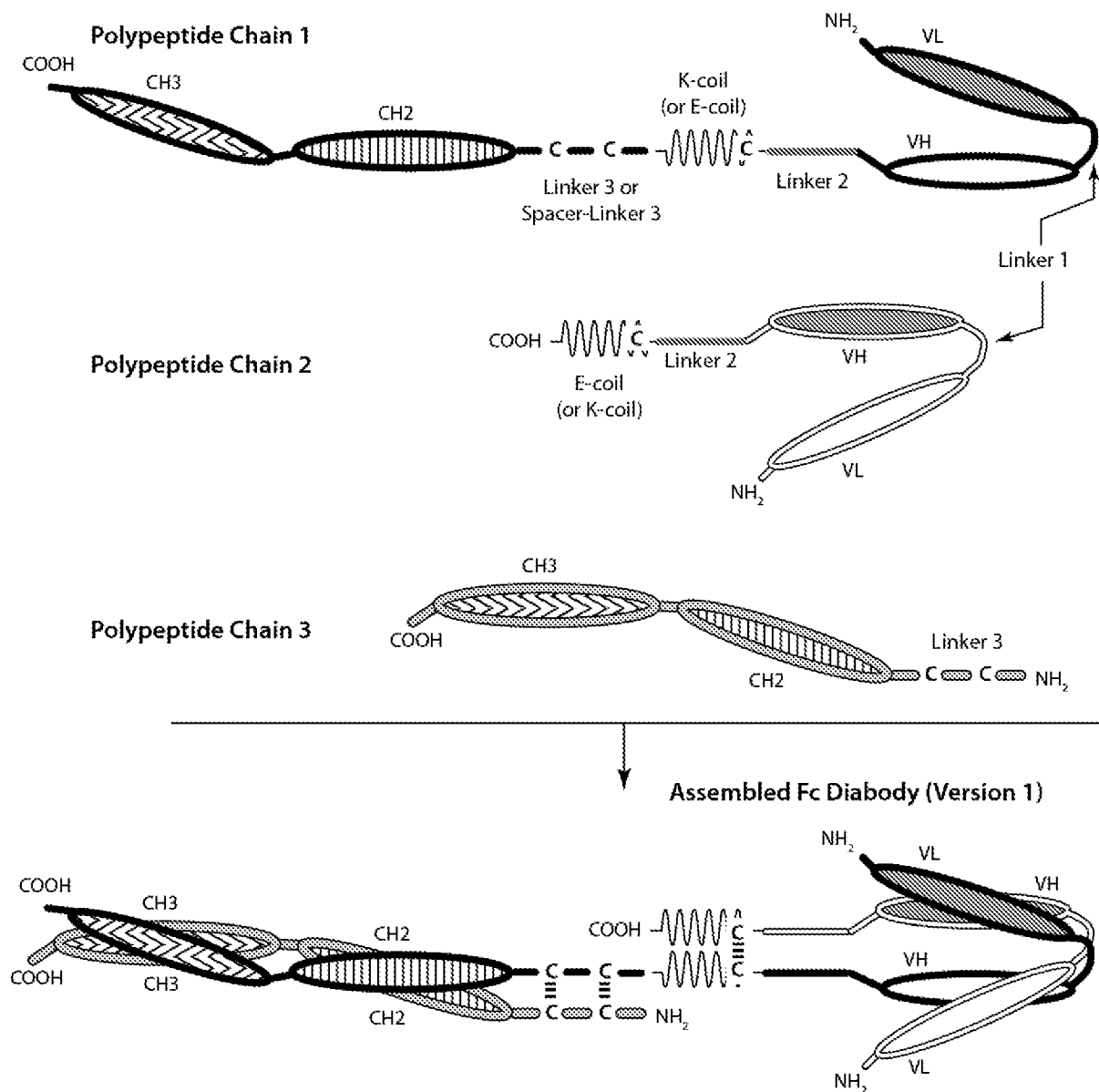
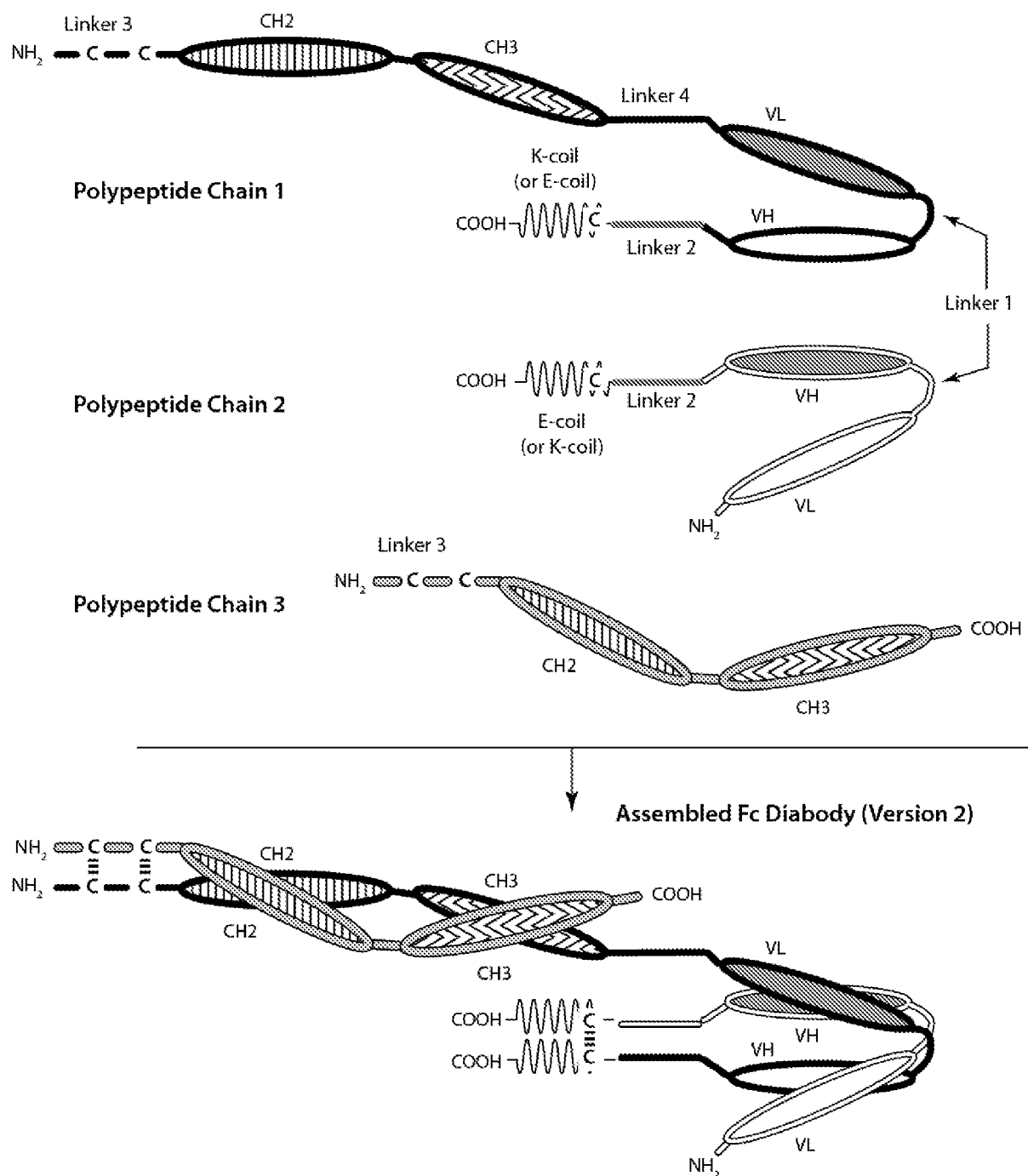
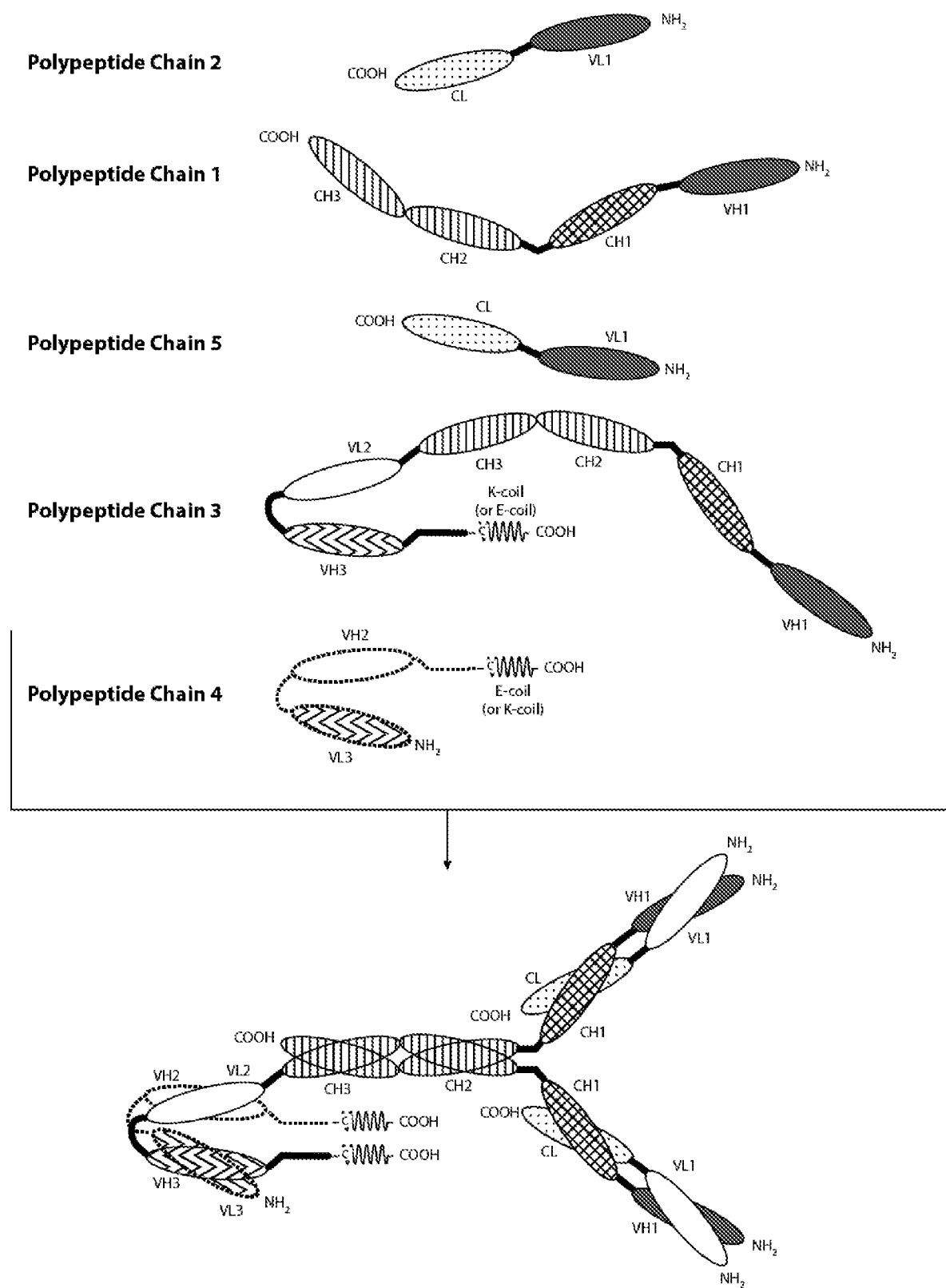


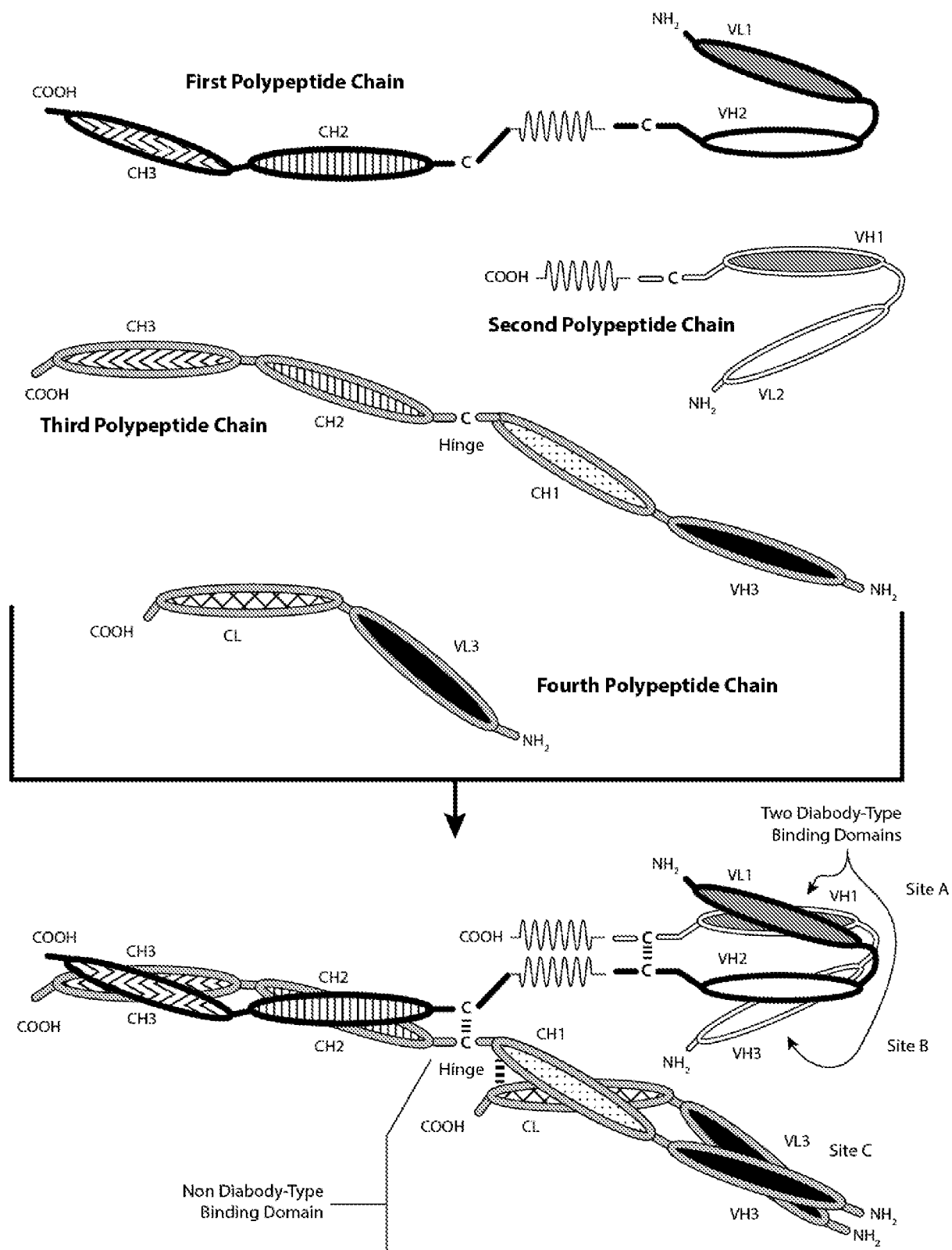
Figure 3B

**Figure 3C**

**Figure 4A**

**Figure 4B**

**Figure 5**

**Figure 6A**

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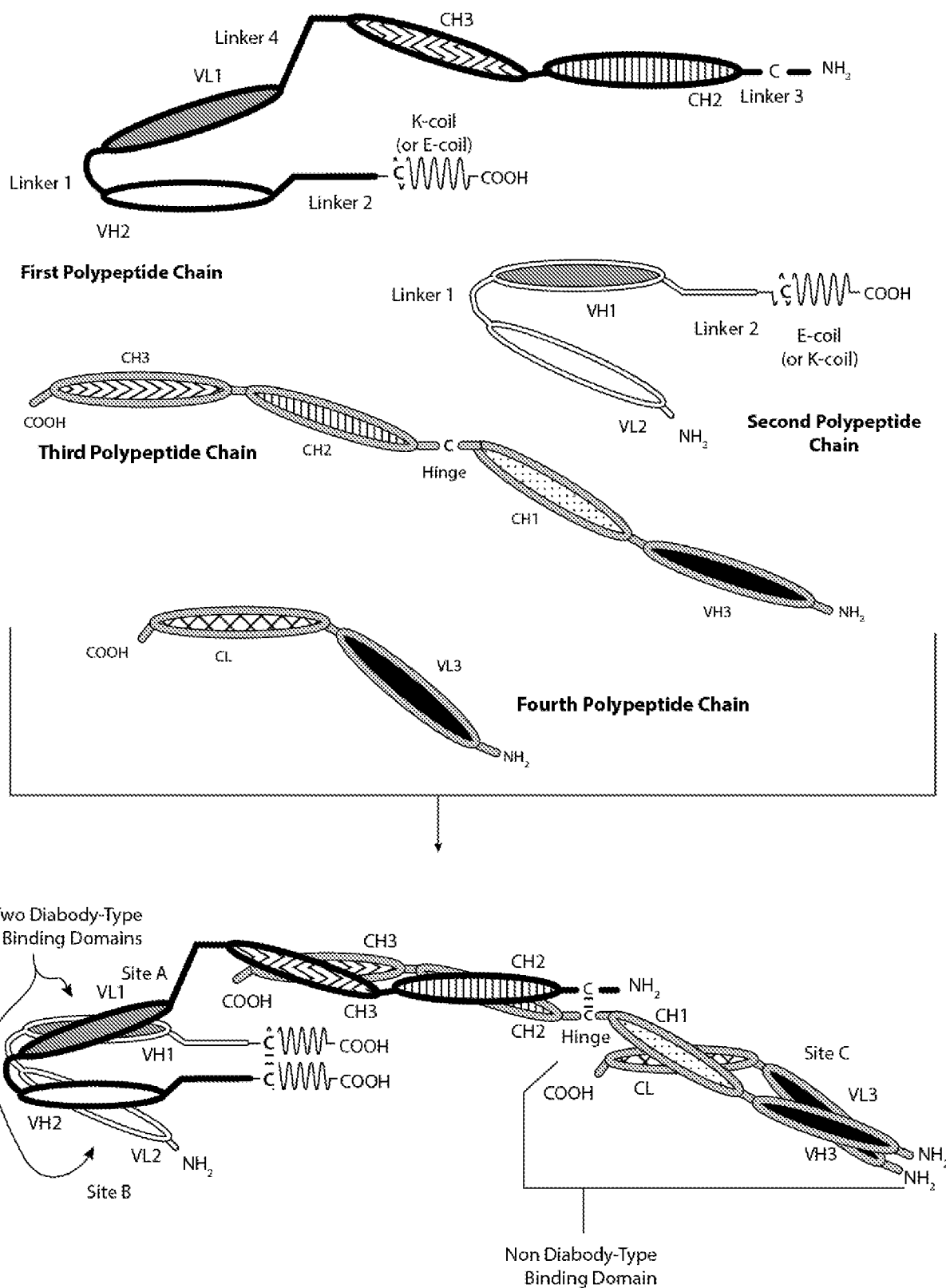
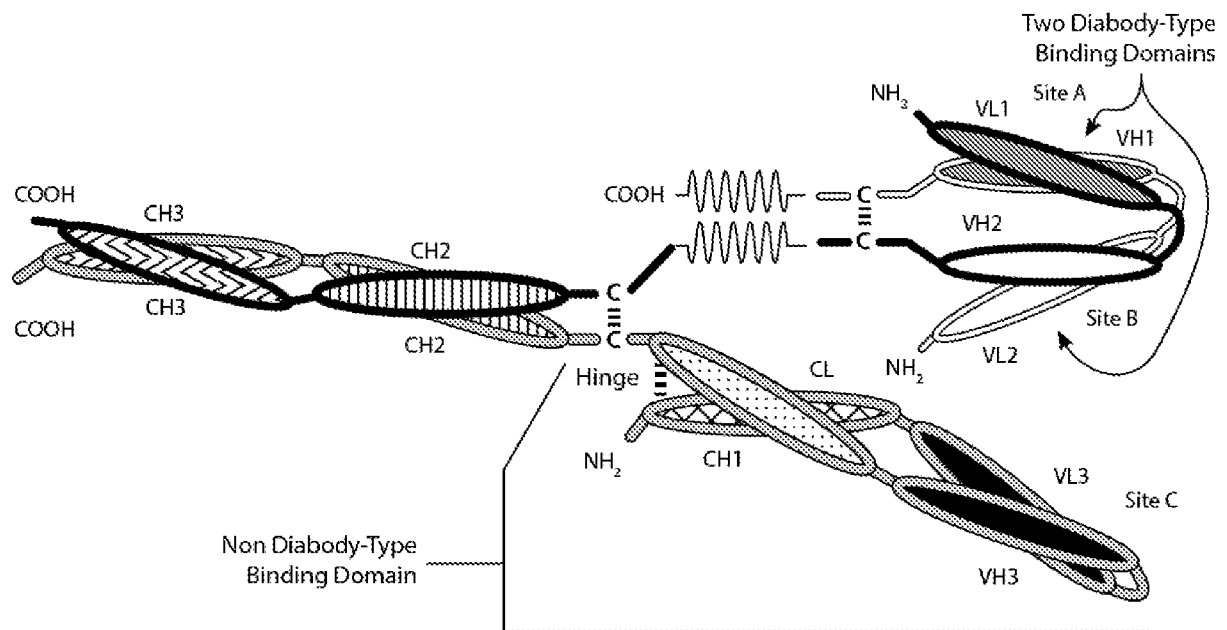
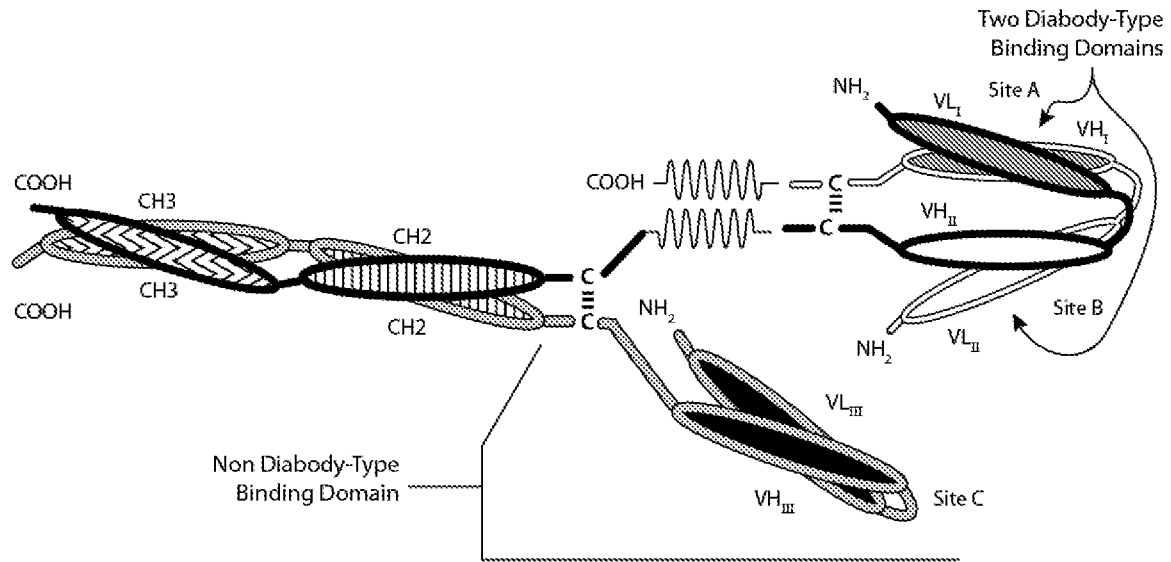
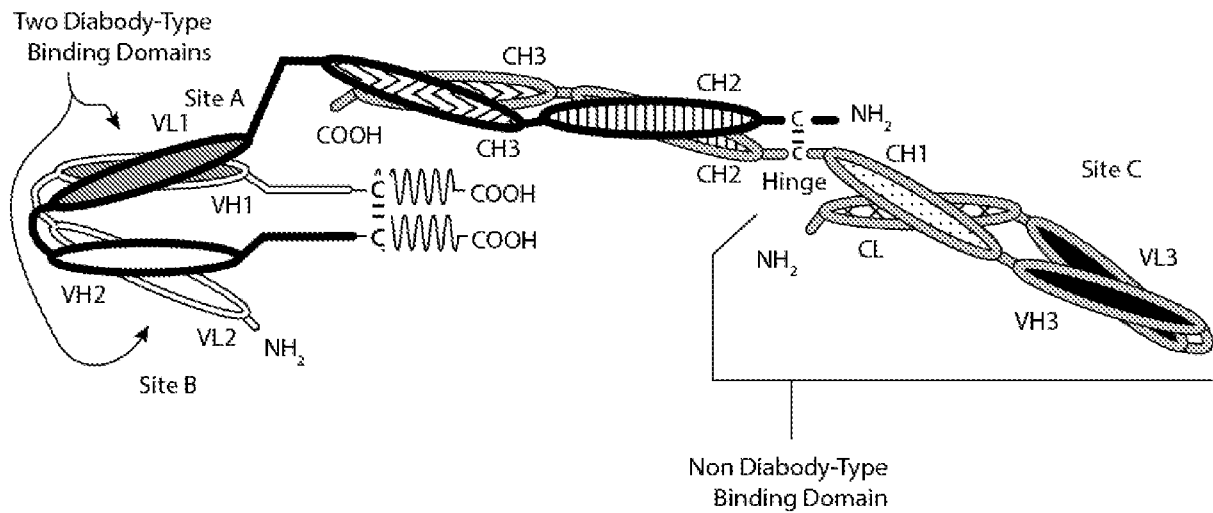
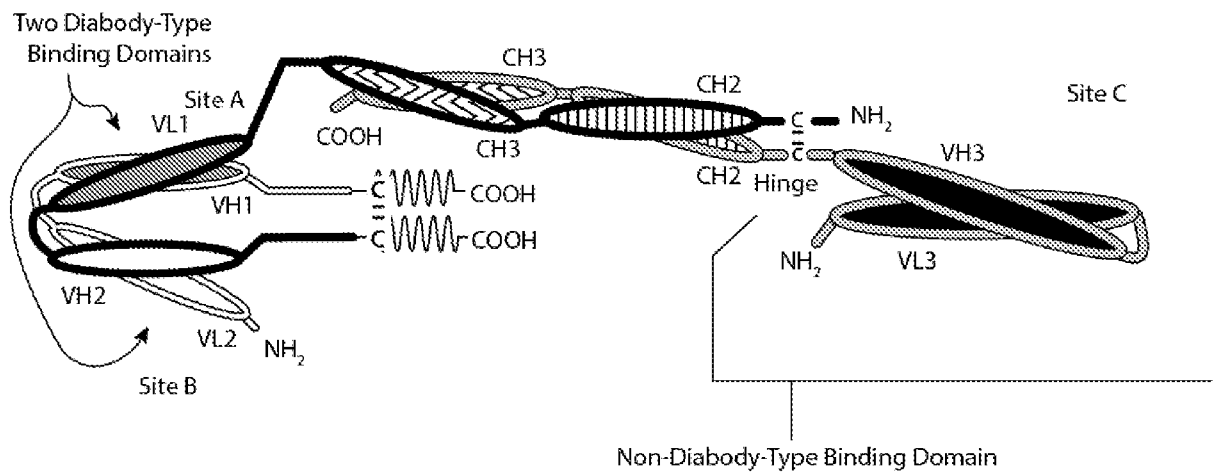


Figure 6B

**Figure 6C****Figure 6D**

**Figure 6E****Figure 6F**

shPD-1 His (1ug/ml) coated and G anti M H+L HRP detected

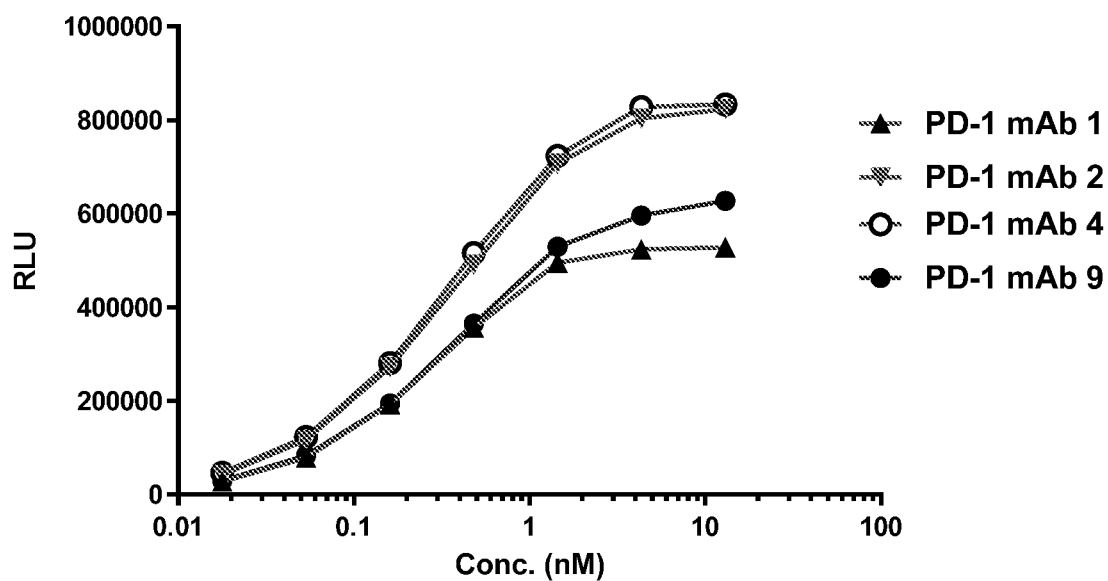


Figure 7A

shPD-1 His (0.5ug/ml) coated and G anti M H+L HRP detected

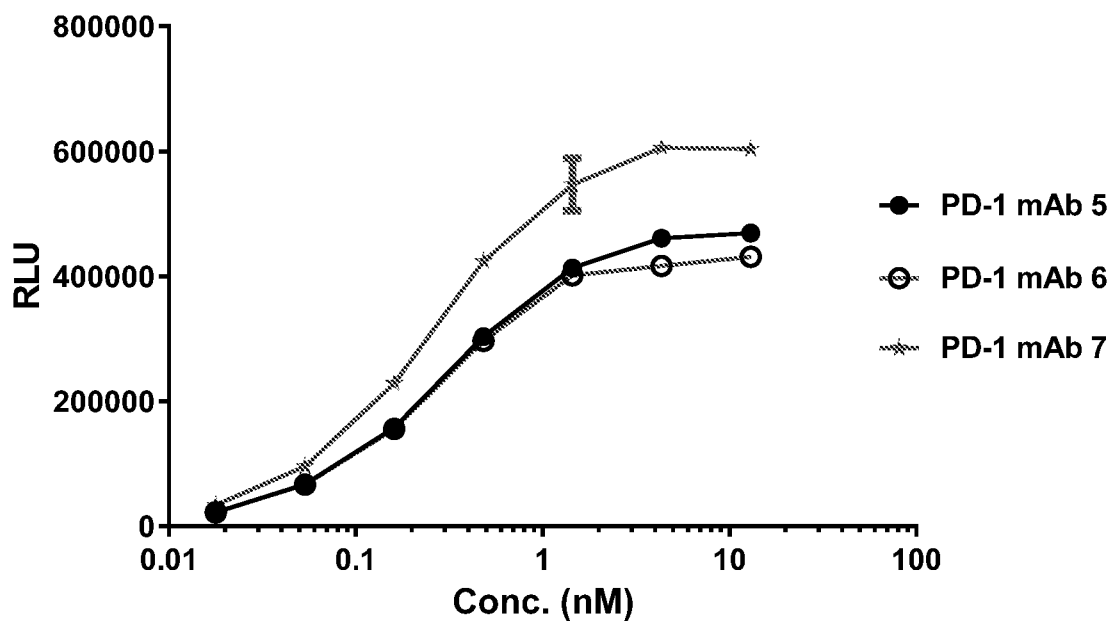


Figure 7B

shPD-1 His(0.5ug/ml) coated and G anti mIgG (H+L) detected

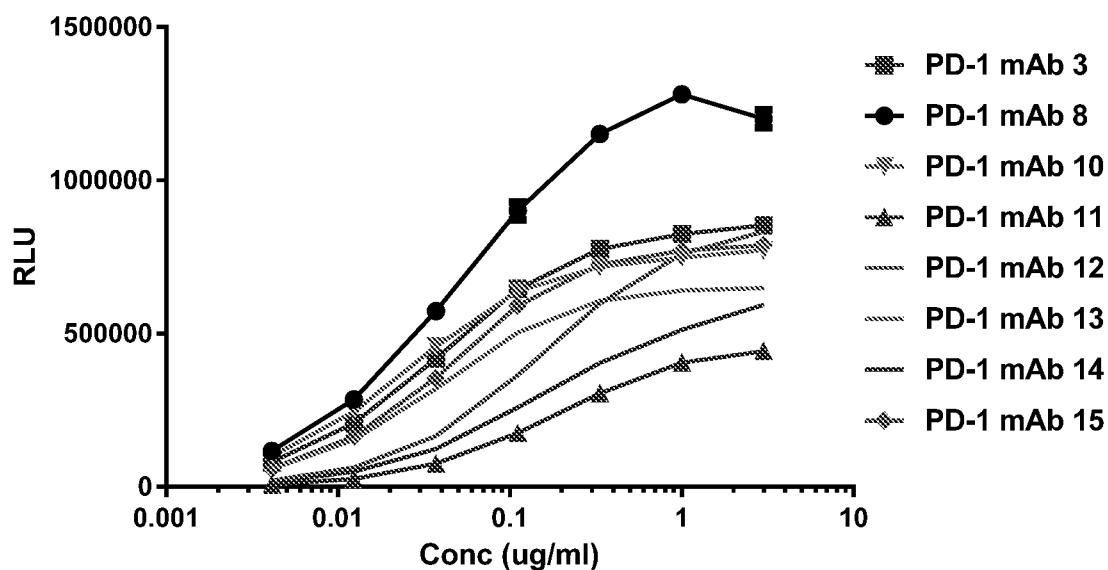


Figure 7C

shPD-1 hFc (0.5ug/ml) coated and G anti mIgG (H+L) detected

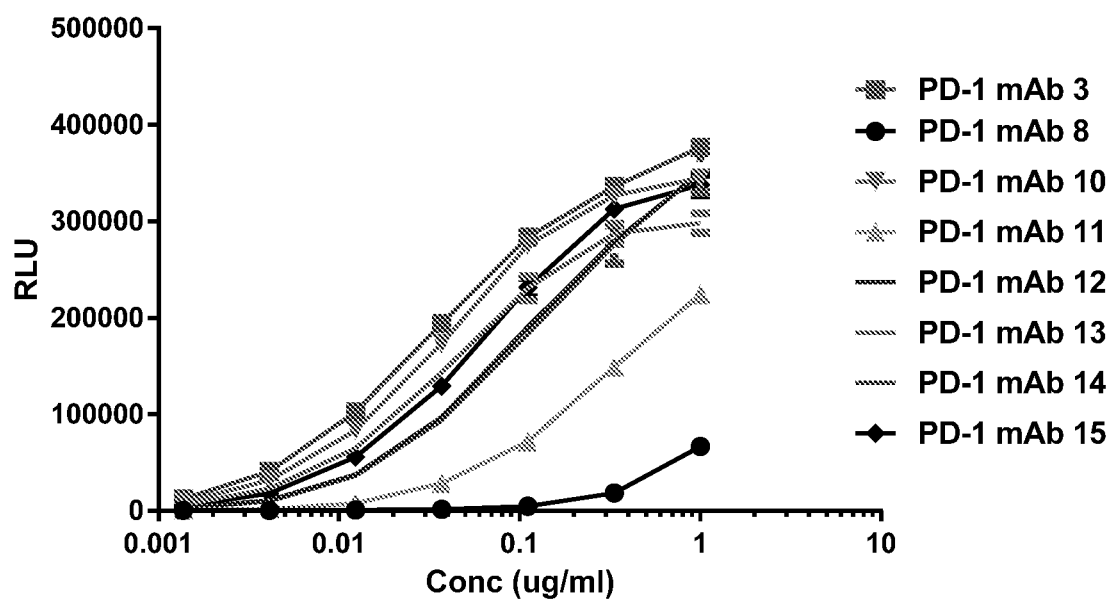


Figure 7D

scyno-PD-1-TEV-Fc (0.5ug/ml) coated and G anti M H+L HRP detected

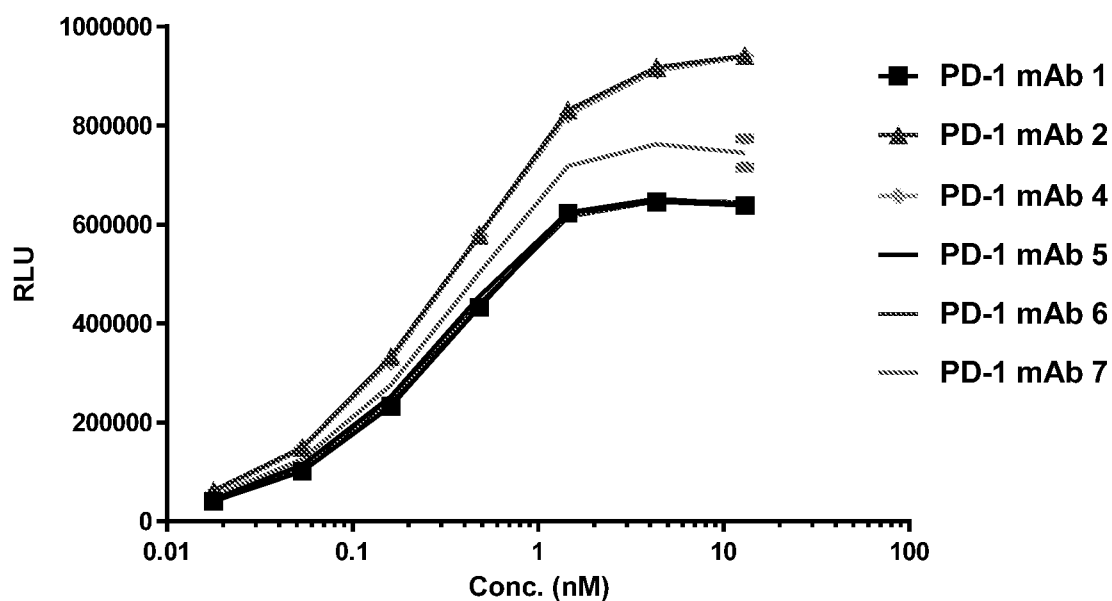


Figure 8A

scyno-PD-1-TEV-hFc(1ug/ml) coated and G anti M (H+L) detected

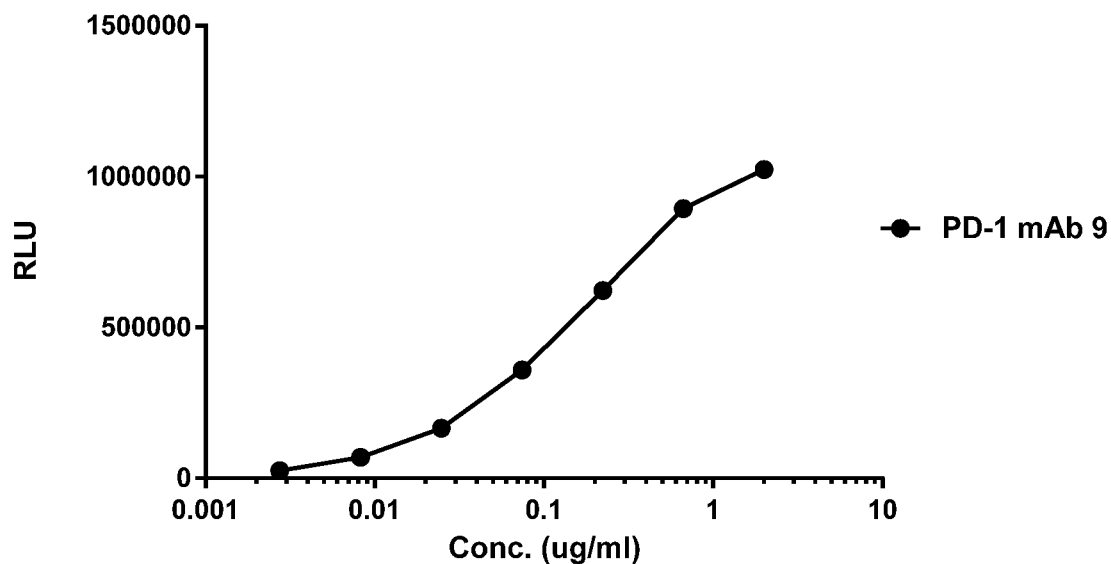


Figure 8B

scyno-PD-1-TEV-Fc (1ug/ml) coated and G anti mlgG (H+L) detected

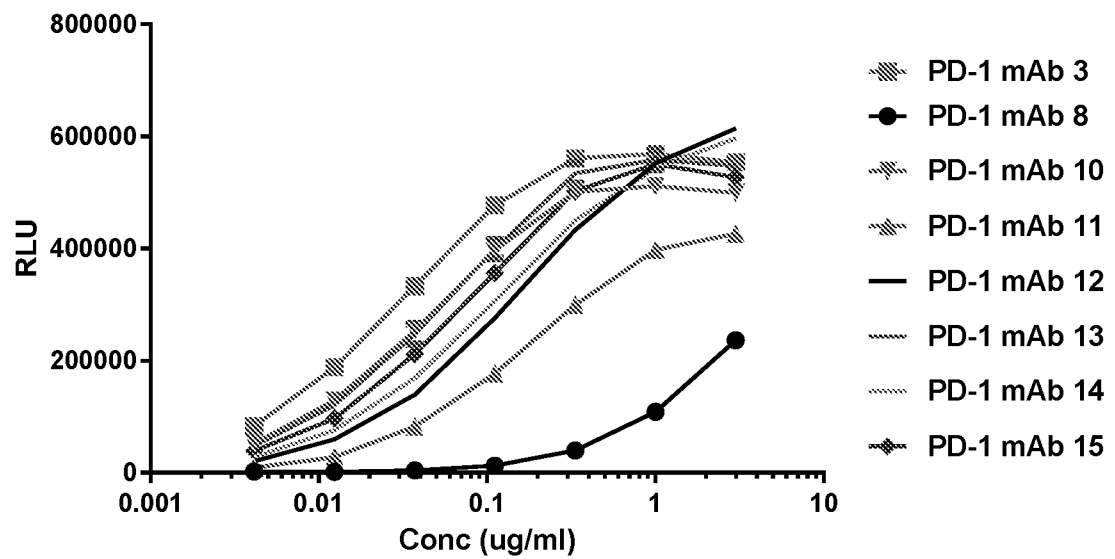


Figure 8C

PD-L1 Fc-biotin (1ug/ml) captured and shPD-1 His detected

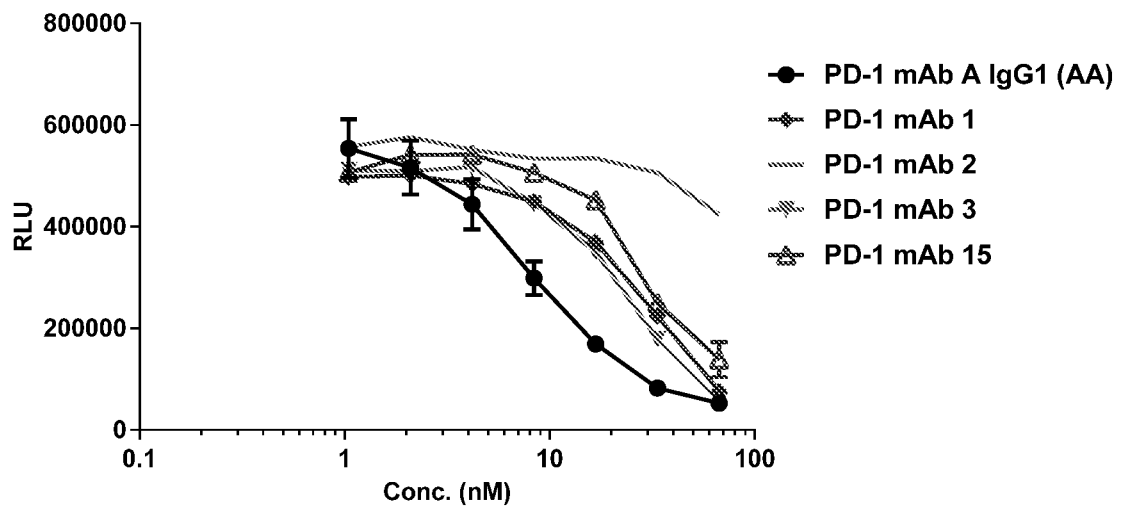


Figure 9A

PD-L1 Fc-biotin (1ug/ml) captured and shPD-1 His detected

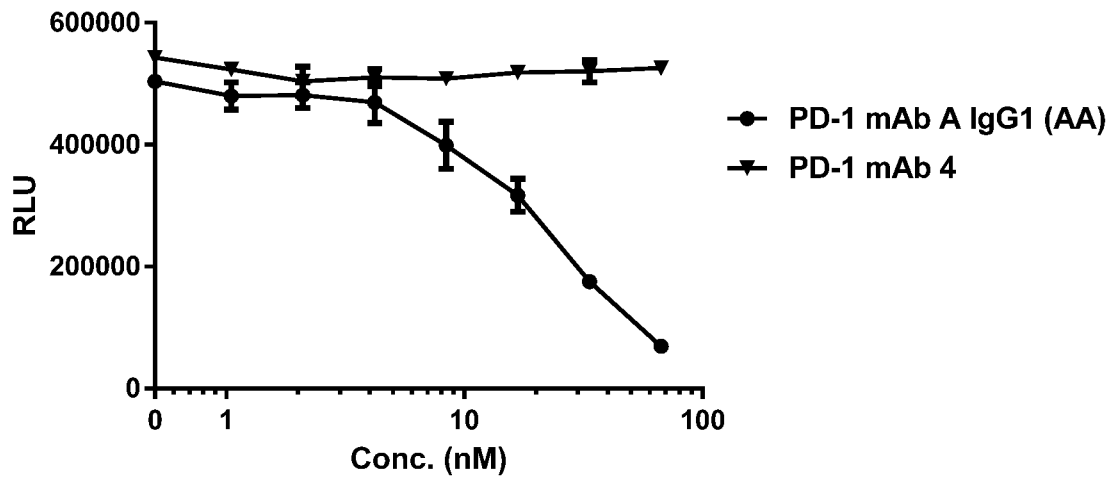


Figure 9B

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PD-L1 Fc-biotin (1ug/ml) captured and shPD-1 His detected

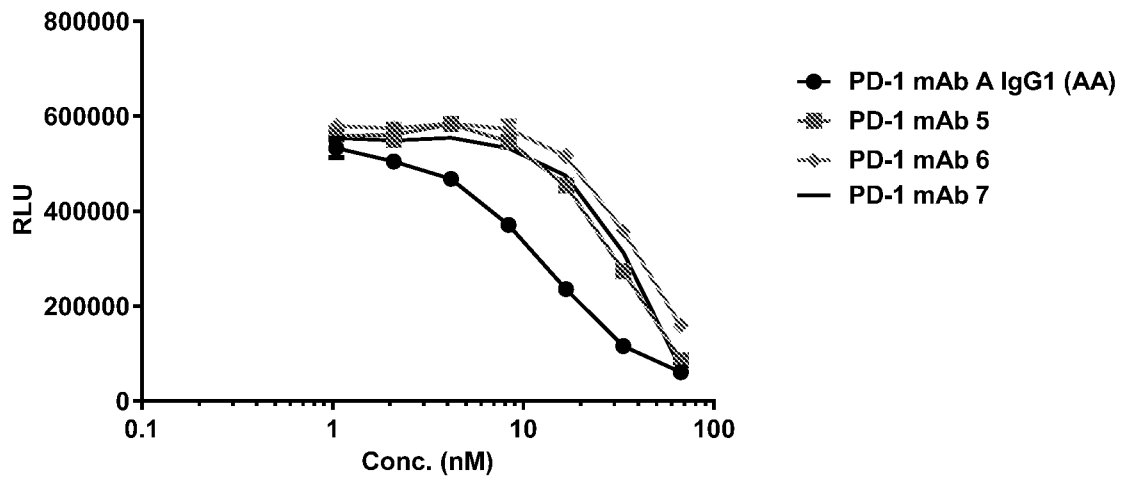


Figure 9C

PD-L1 Fc-biotin (1ug/ml) captured and shPD-1 His detected

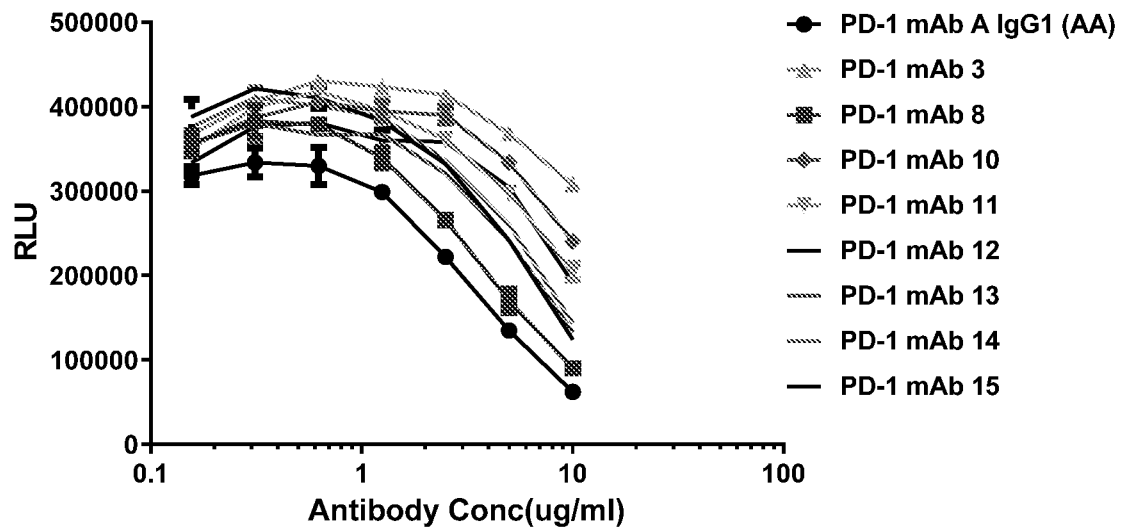
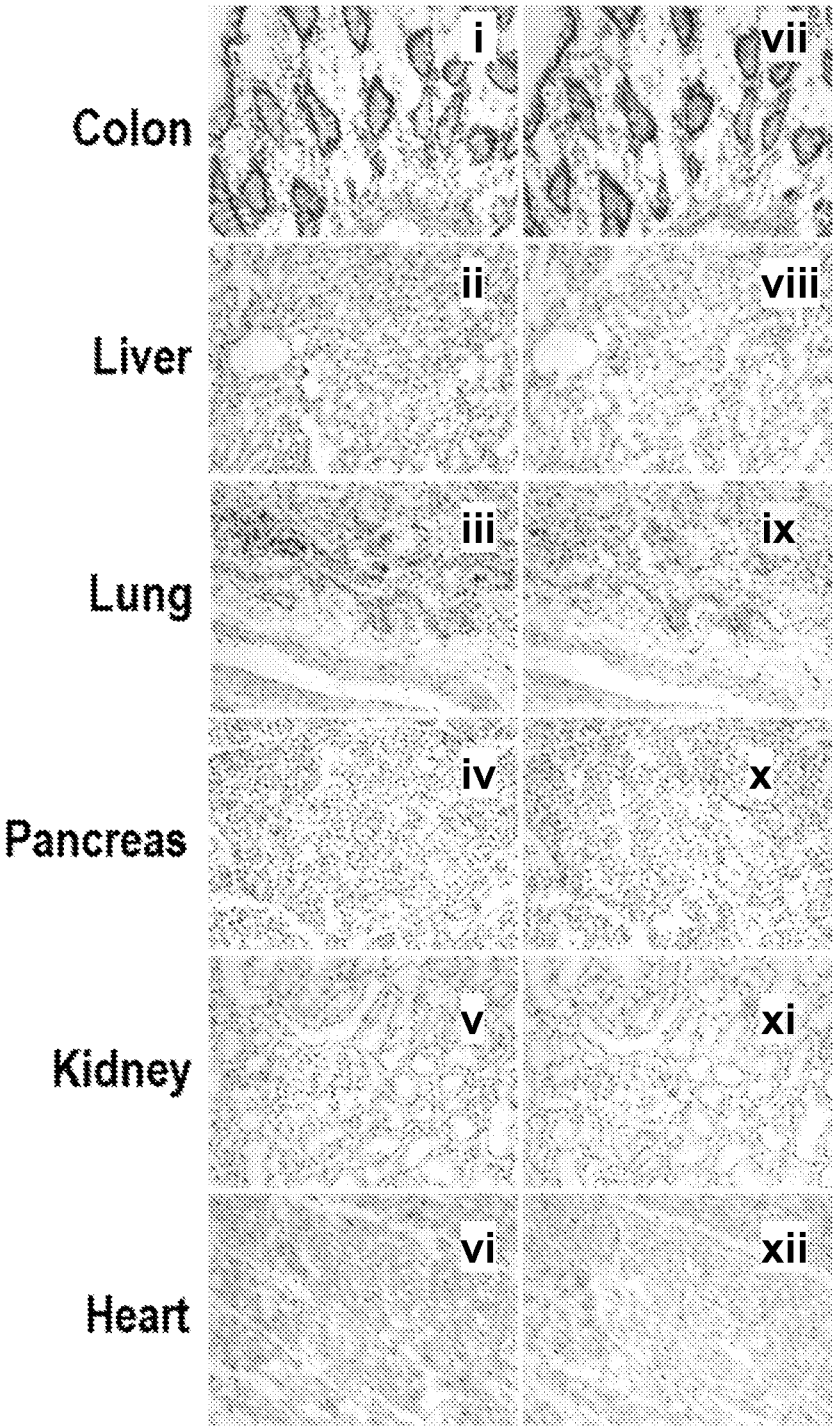


Figure 9D

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Normal Tissues



PD-1 mAb 7      Isotype Control  
0.313 µg/ml      0.313 µg/ml

Figure 10A

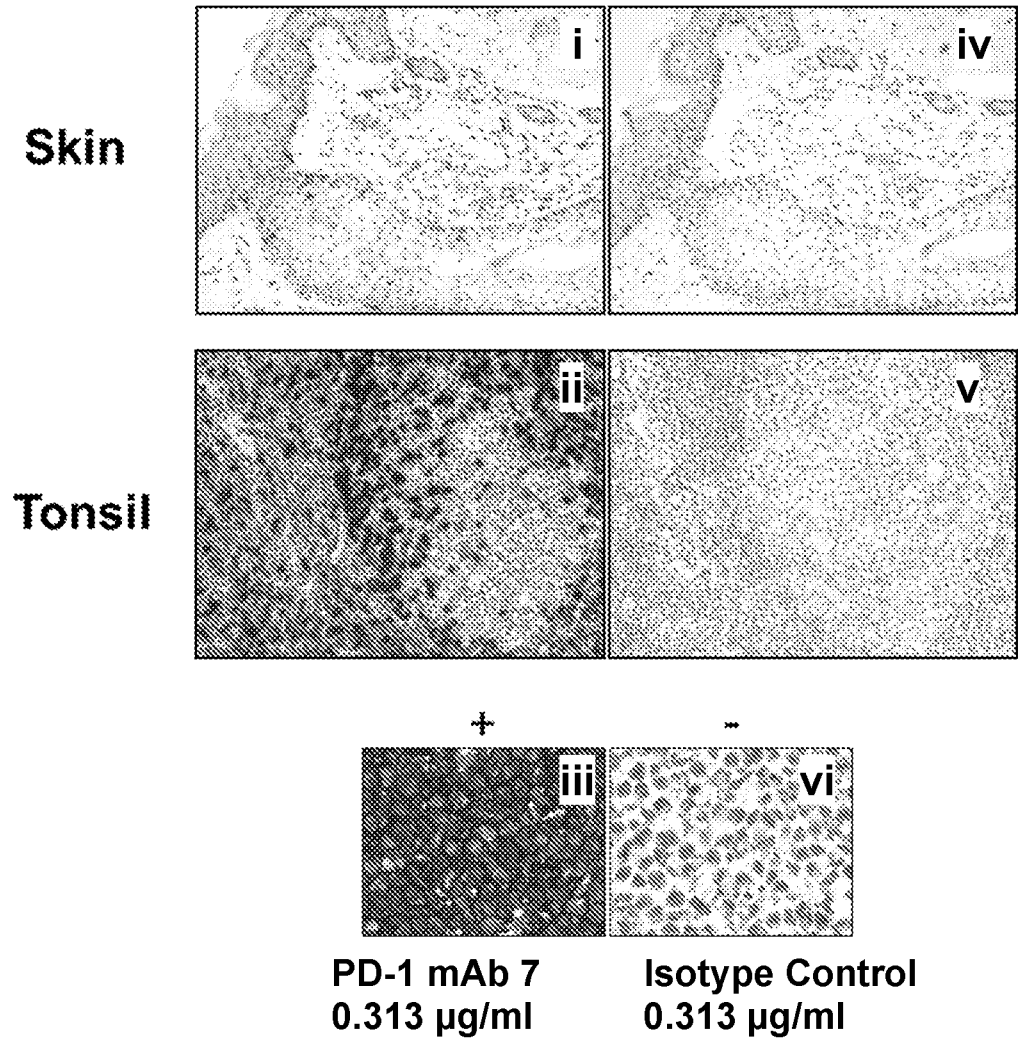
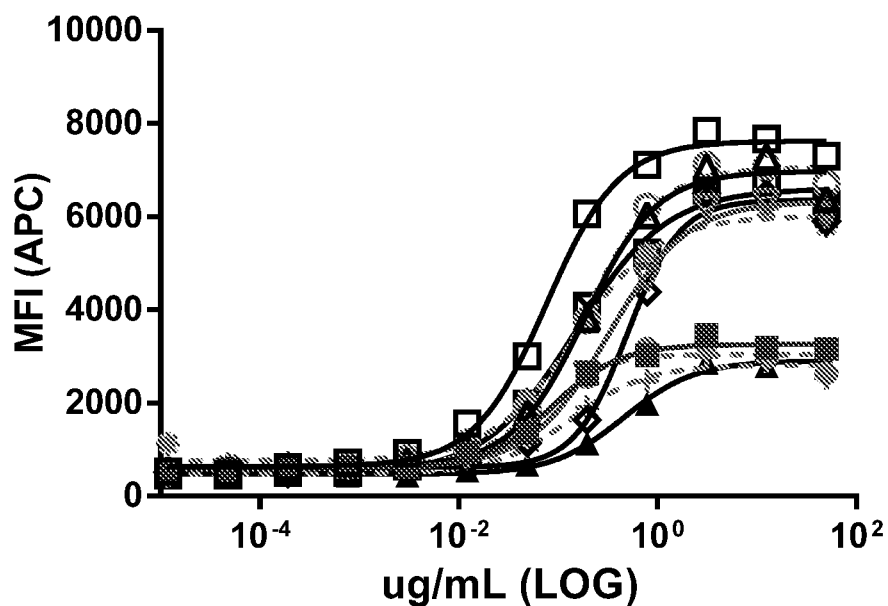


**Figure 10B**

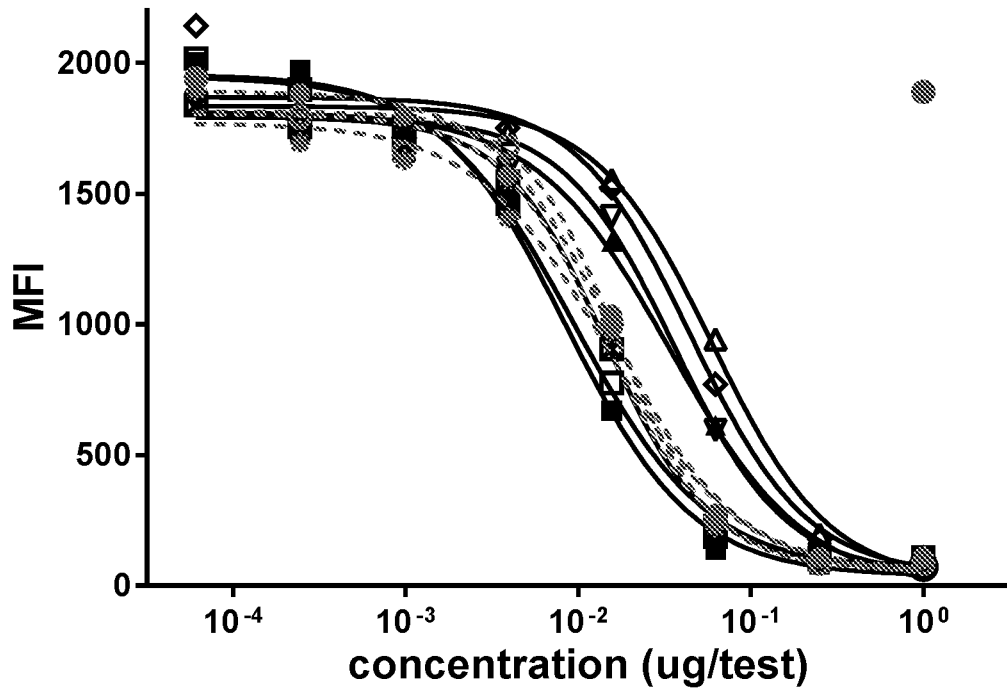
## Saturation Curves (1:4 dilution)



- ◆ hPD-1 mAb 2 IgG1 (AA)
- hPD-1 mAb 7(1.1) IgG1 (AA)
- hPD-1 mAb 7(1.2) IgG1 (AA)
- hPD-1 mAb 7(1.2) IgG4 (P)
- ▲ hPD-1 mAb 9 (1.1) IgG1 (AA)
- ▲ hPD-1 mAb 9 (1.1) IgG4 (P)
- ◆ hPD-1 mAb 15 IgG1 (AA)
- PD-1 mAb A IgG1 (AA)
- PD-1 mAb A IgG4 (P)
- PD-1 mAb B IgG1 (AA)
- PD-1 mAb B IgG4 (P)

**Figure 11**

### Blocking of sPD-L1 (1:4 dilution)



- ◆ hPD-1 mAb 2 IgG1 (AA)
- hPD-1 mAb 7(1.1) IgG1 (AA)
- ▣ hPD-1 mAb 7(1.2) IgG1 (AA)
- hPD-1 mAb 7(1.2) IgG4 (P)
- ▲ hPD-1 mAb 9 (1.1) IgG1 (AA)
- ▲ hPD-1 mAb 9 (1.1) IgG4 (P)
- ▼ hPD-1 mAb 15 IgG1 (AA)
- PD-1 mAb A IgG1(AA)
- PD-1 mAb A IgG4 (P)
- PD-1 mAb B IgG1 (AA)
- + PD-1 mAb B IgG4 (P)
- PDL1 only
- Unstained

**Figure 12A**

### Blocking of sPD-L2 (1:4 dilution)

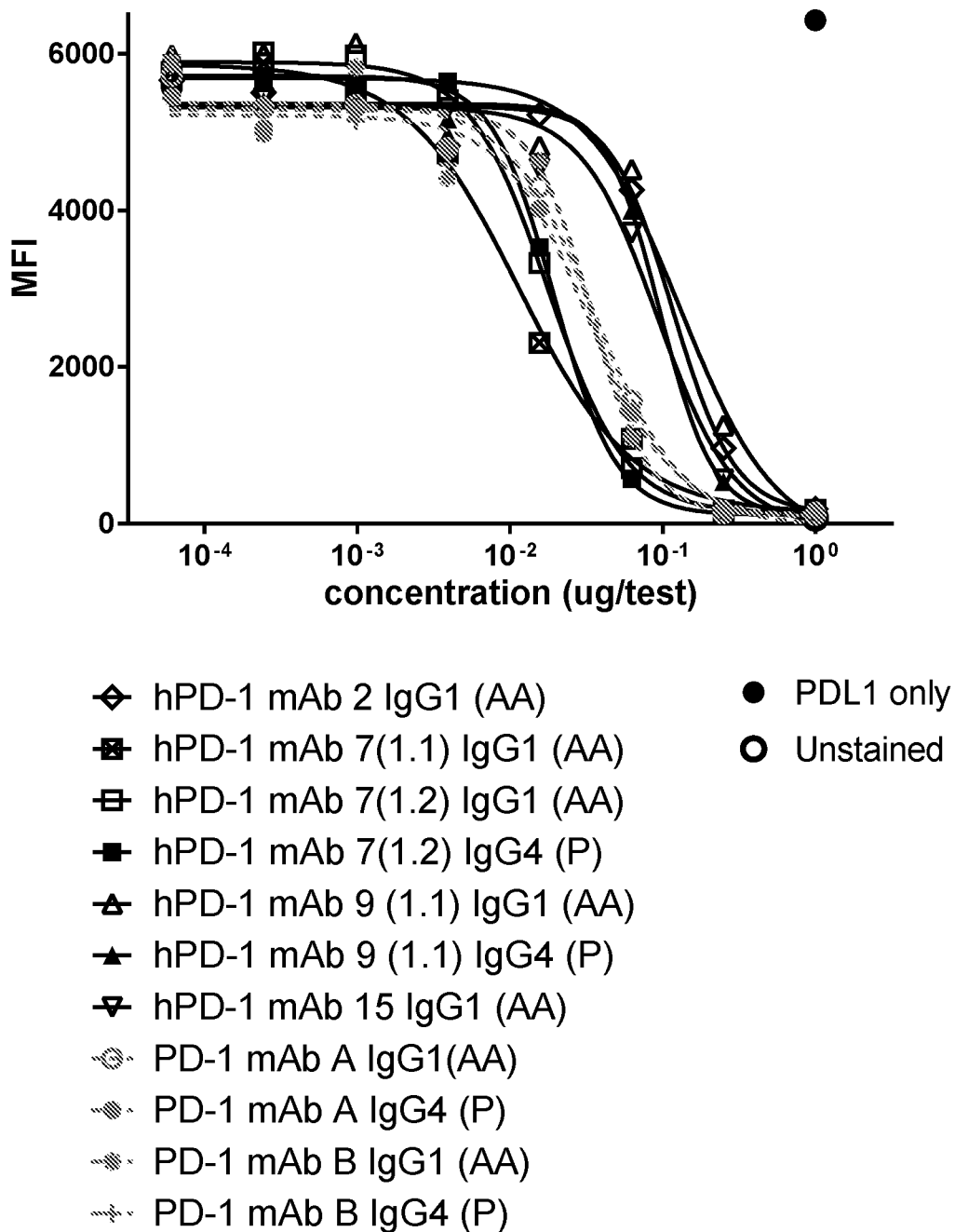
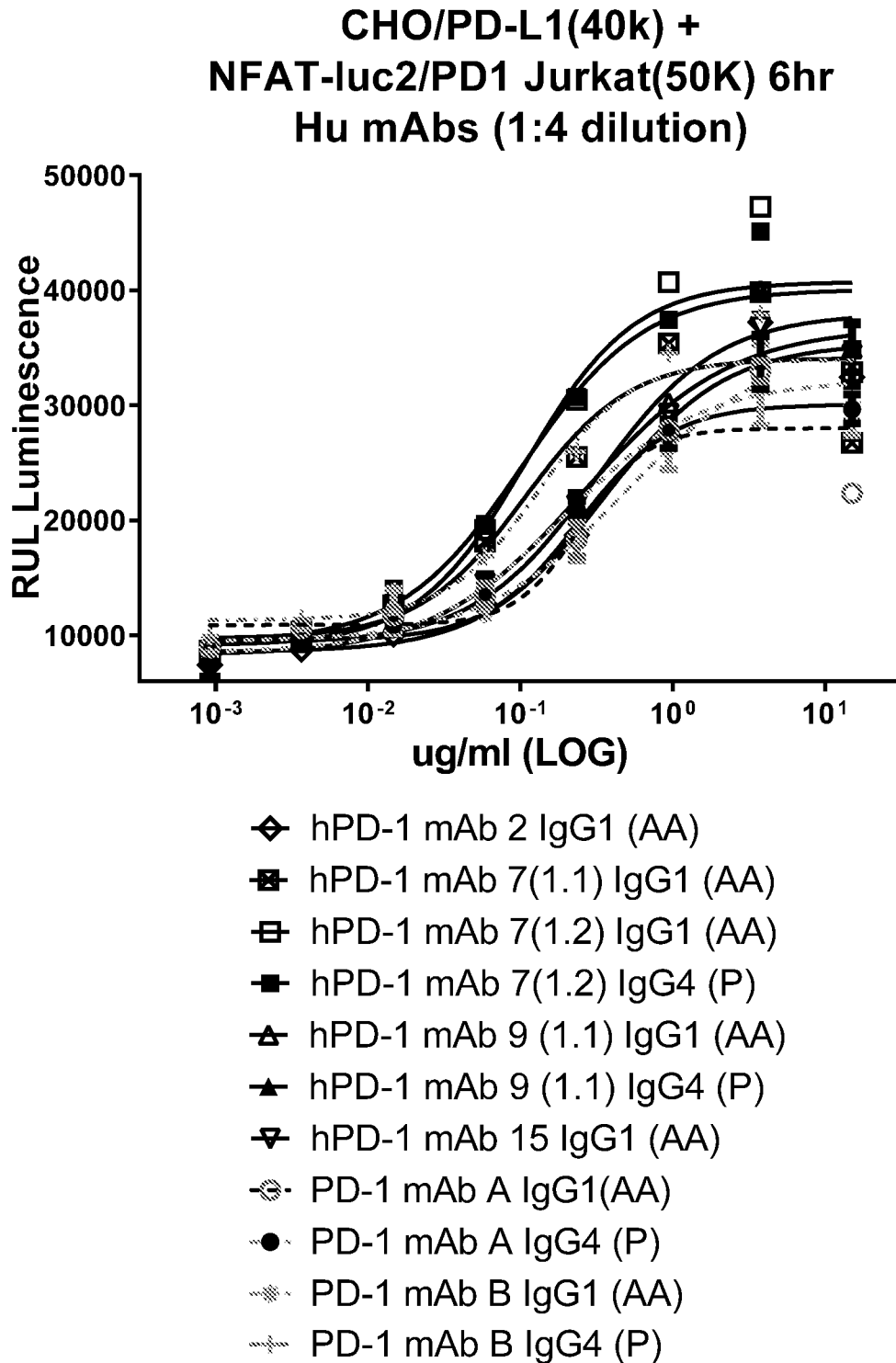
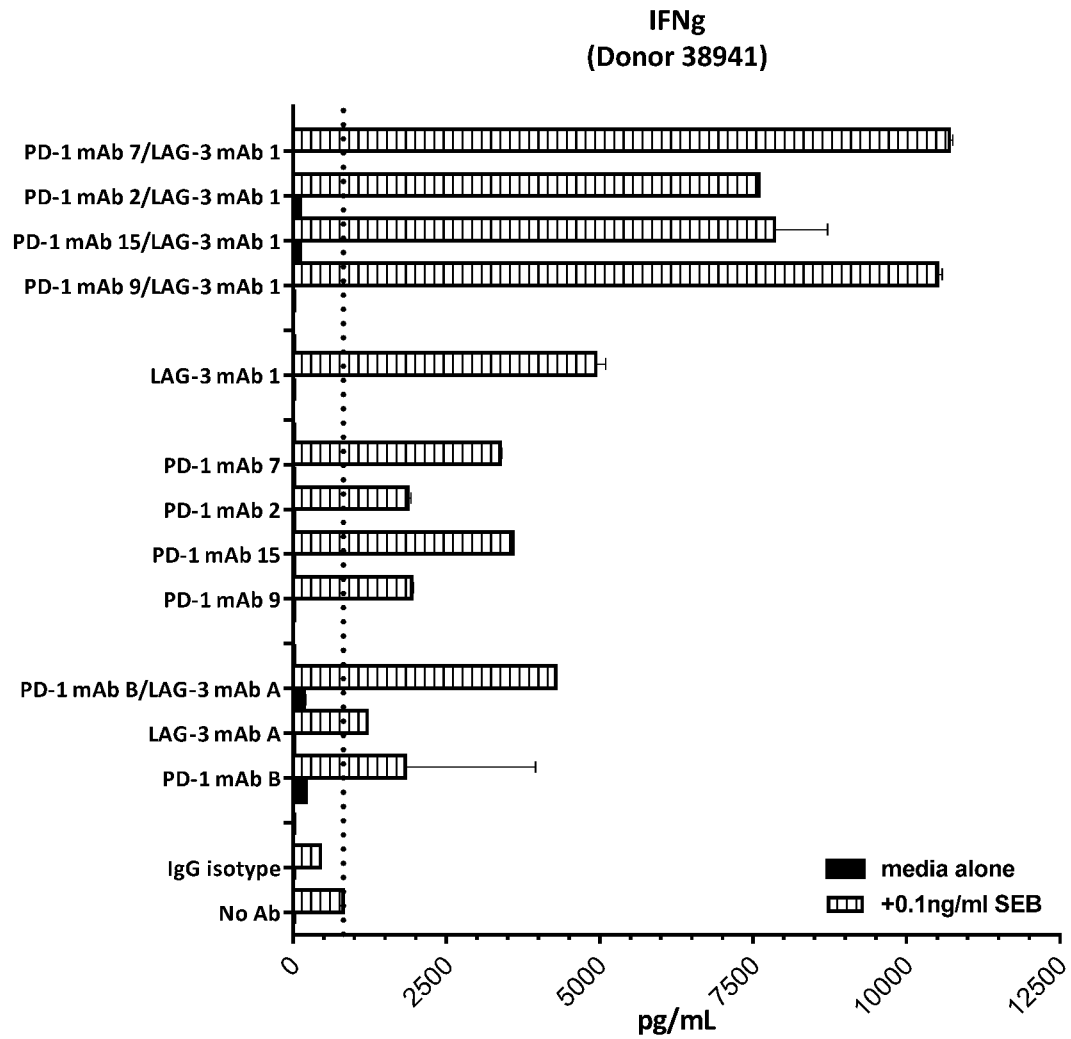


**Figure 12B**

**Figure 13**

**Figure 14**

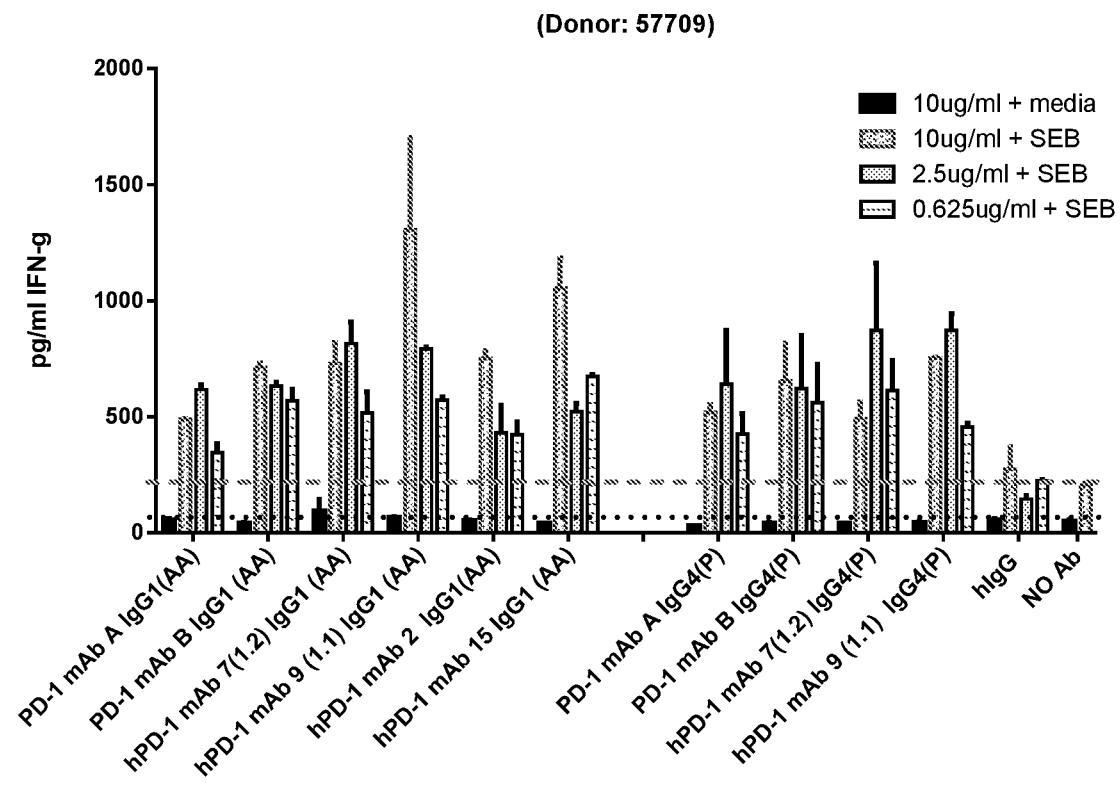


Figure 15A

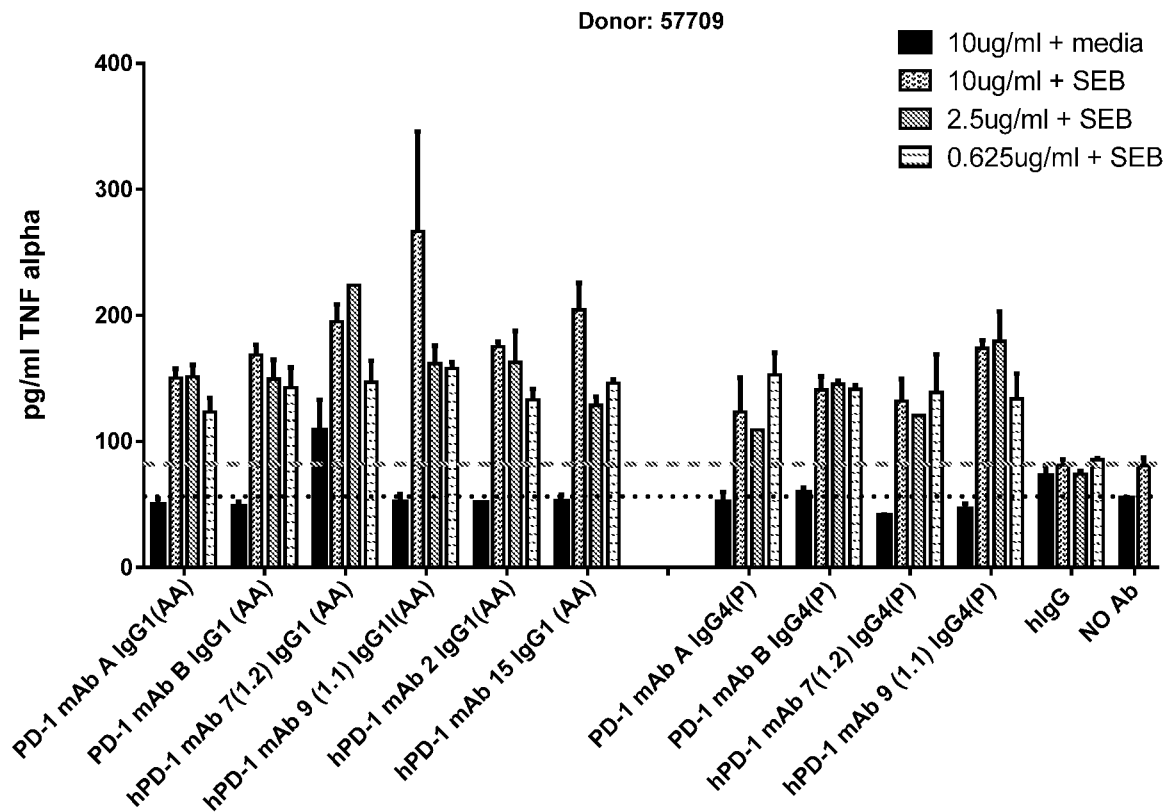


Figure 15B

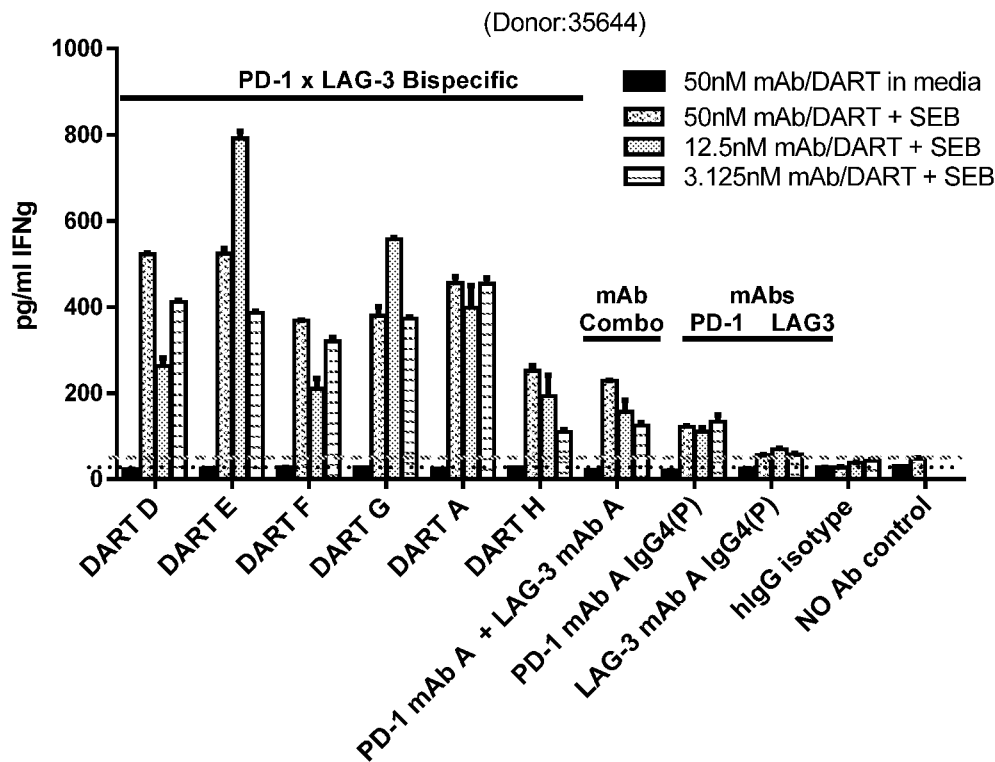


Figure 16A

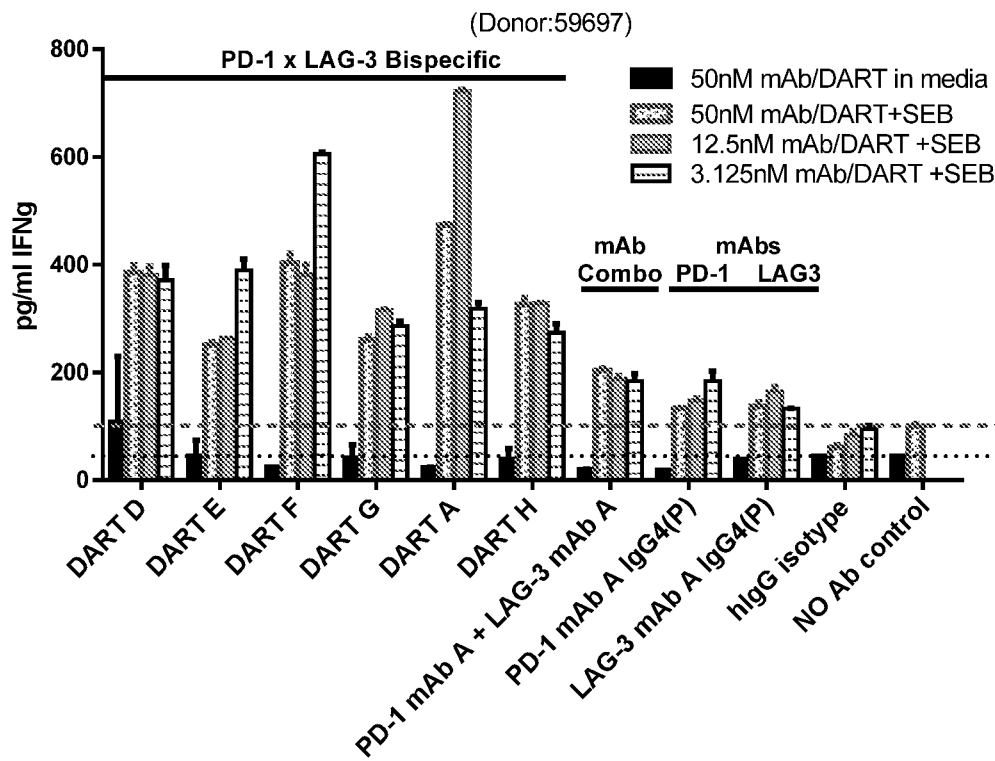


Figure 16B

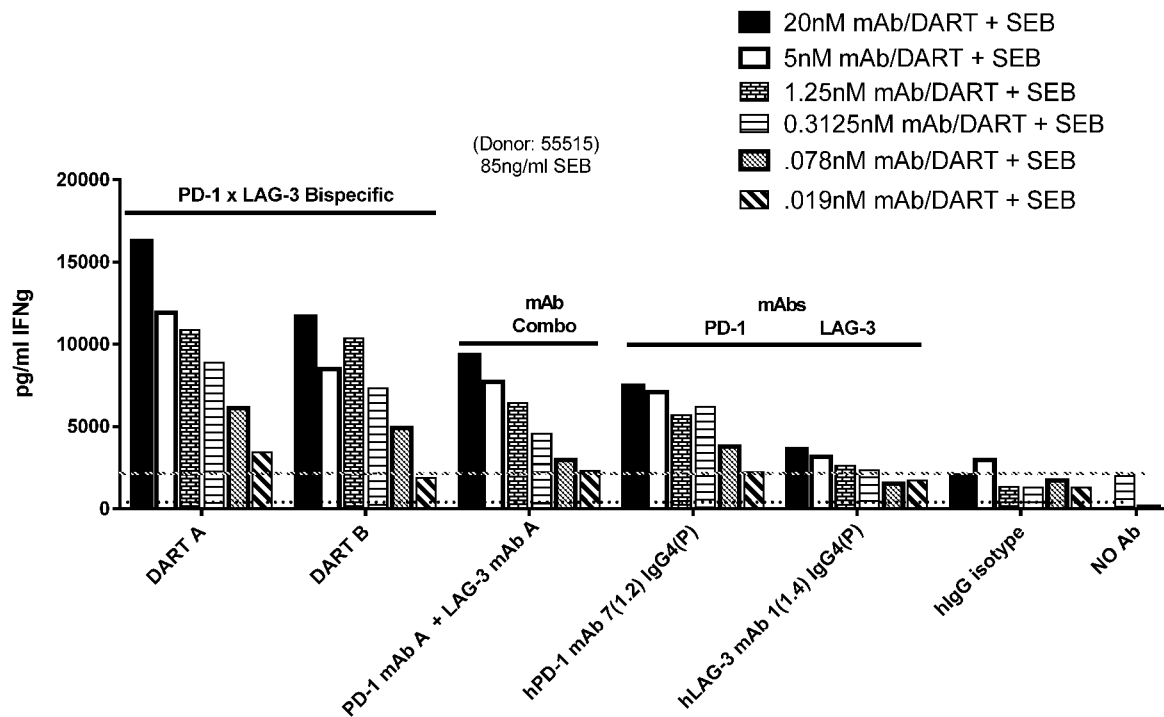


Figure 17A

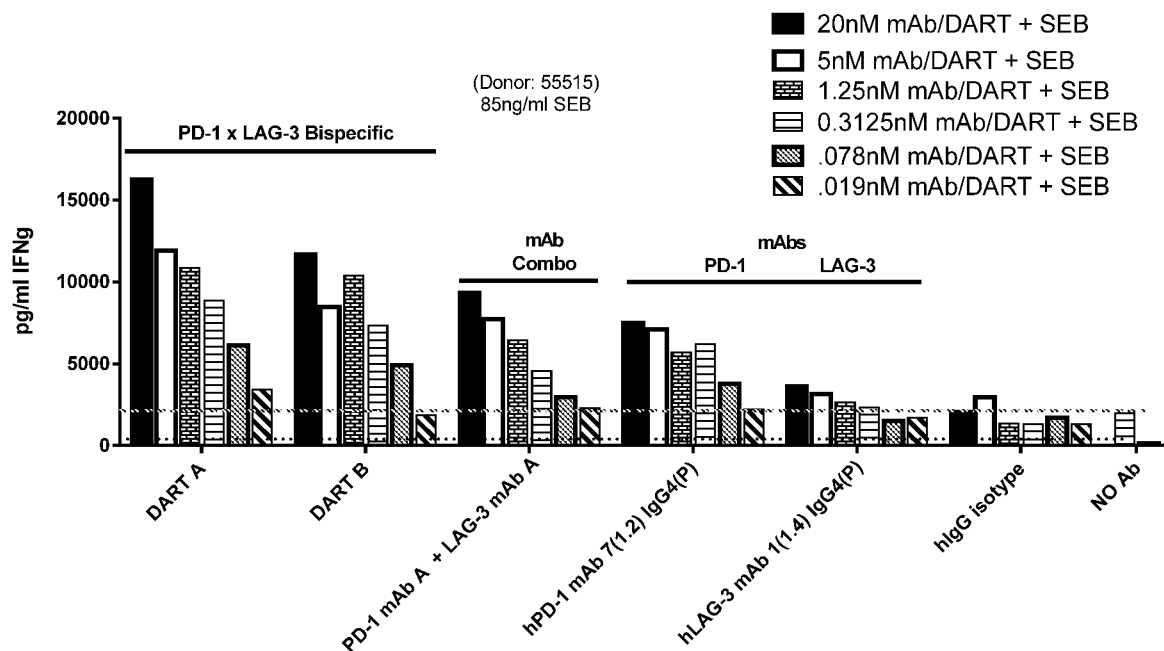


Figure 17B

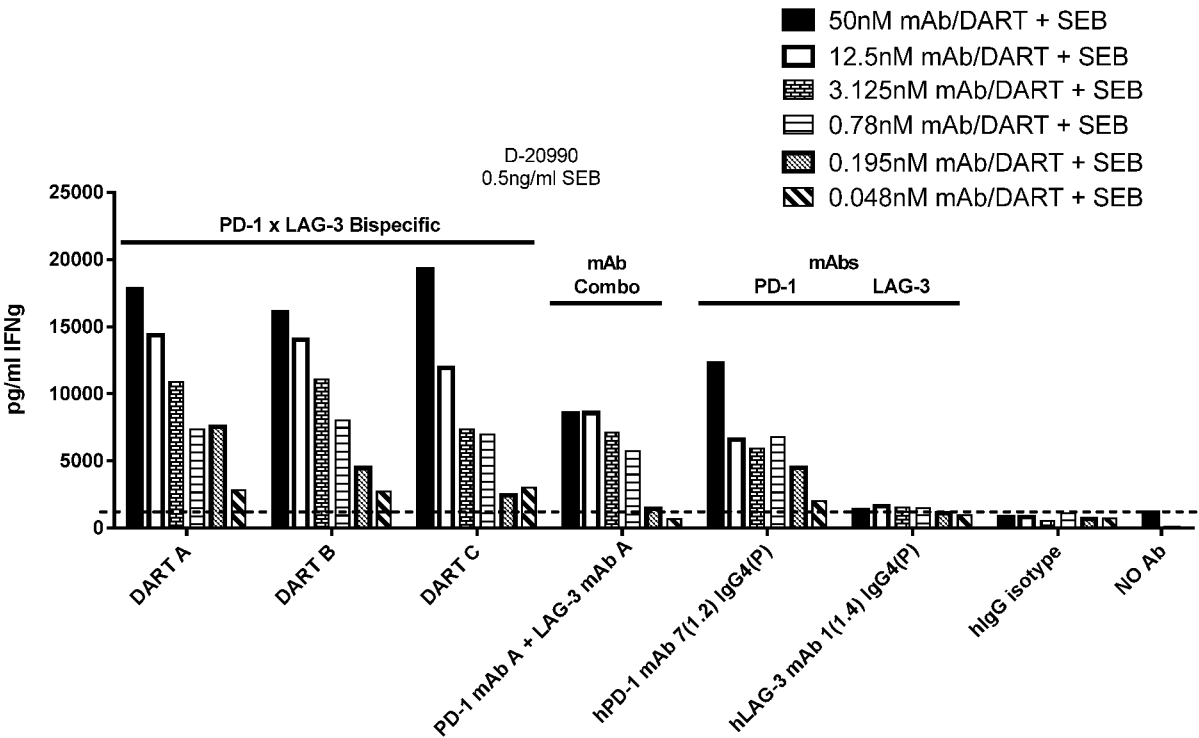


Figure 18A

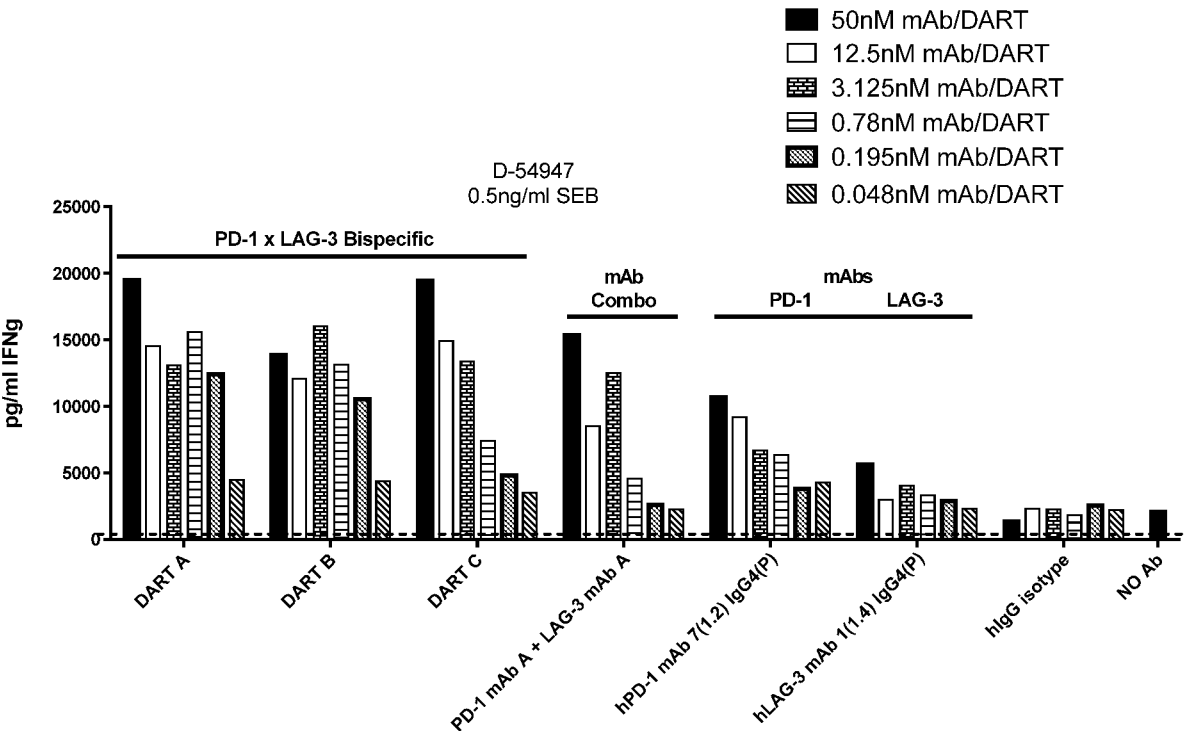


Figure 18B

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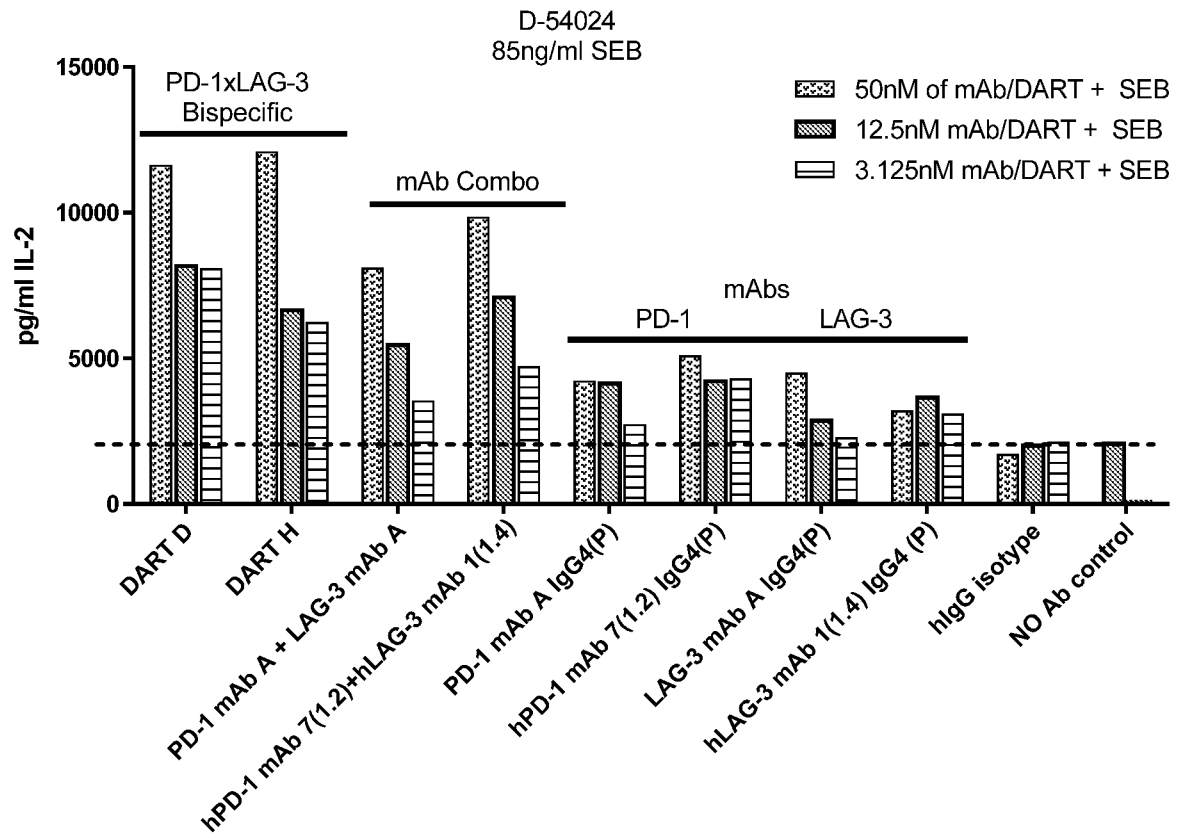


Figure 19

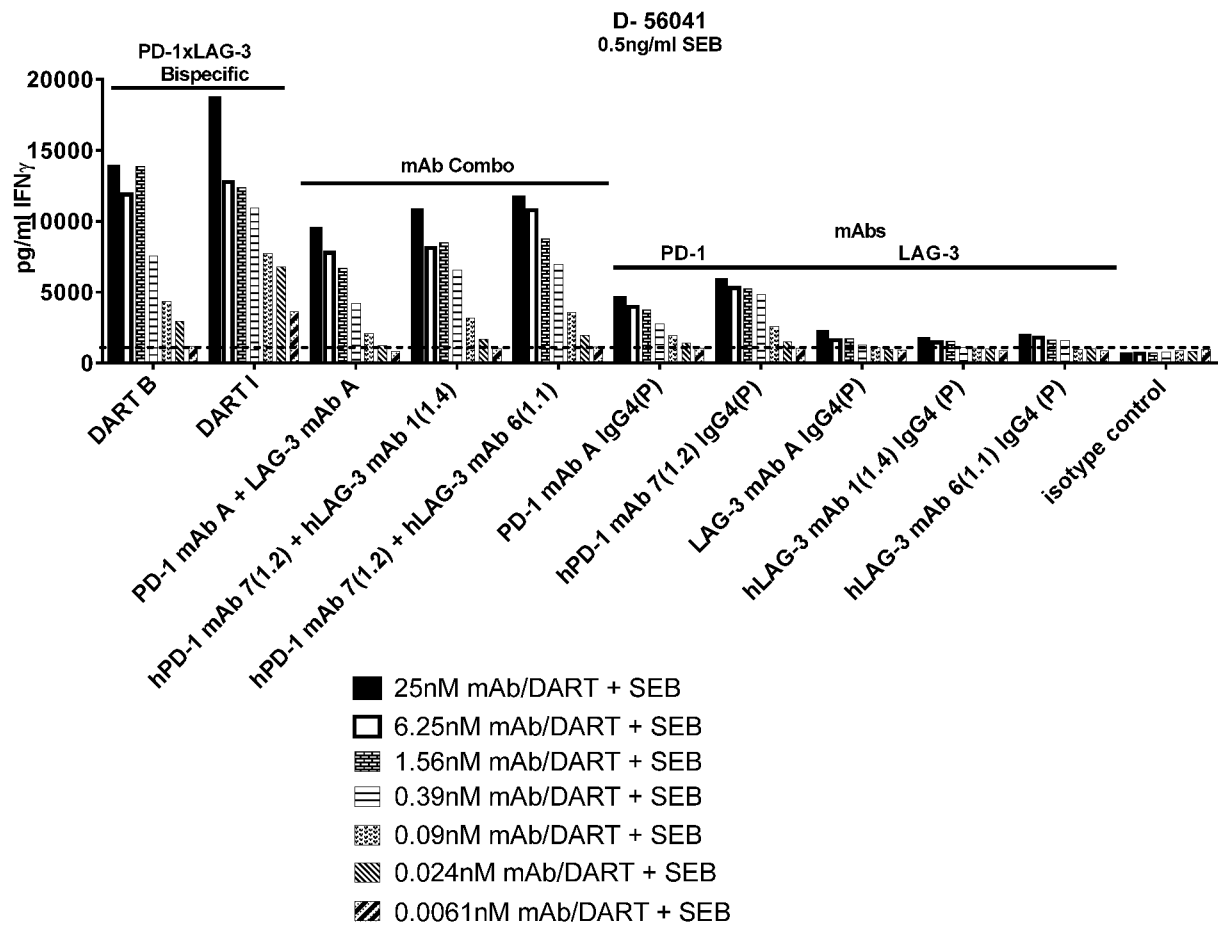


Figure 20

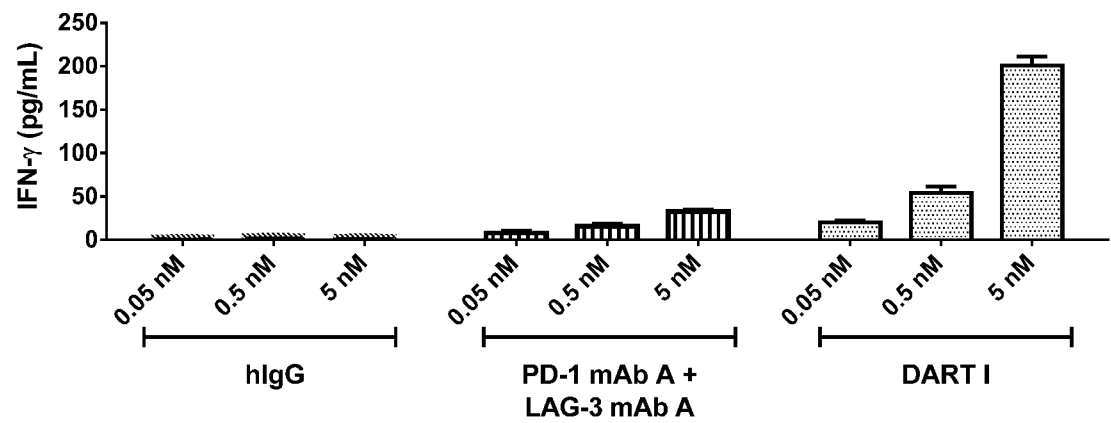


Figure 21A

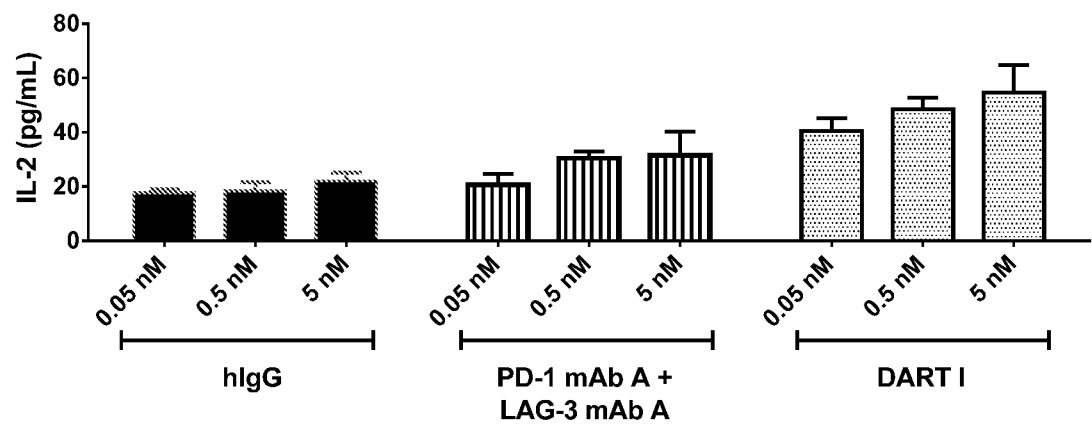


Figure 21B

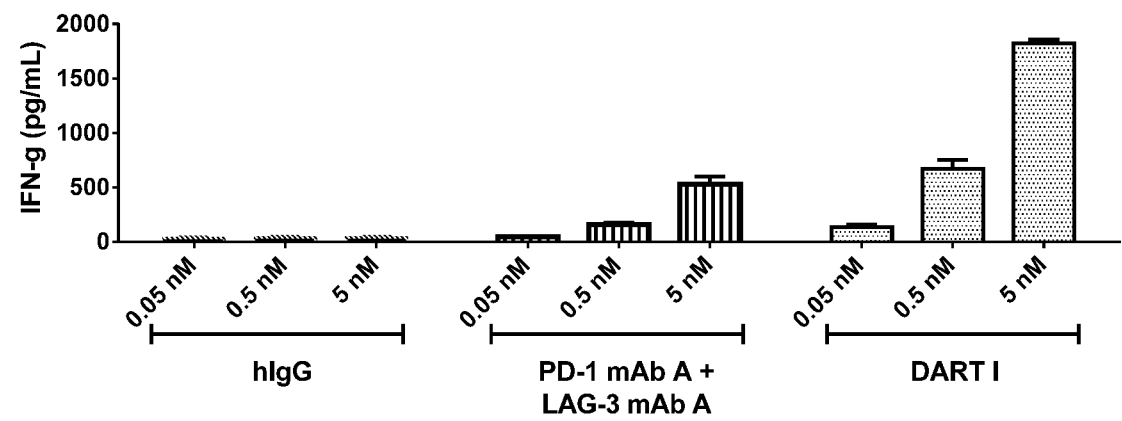


Figure 21C

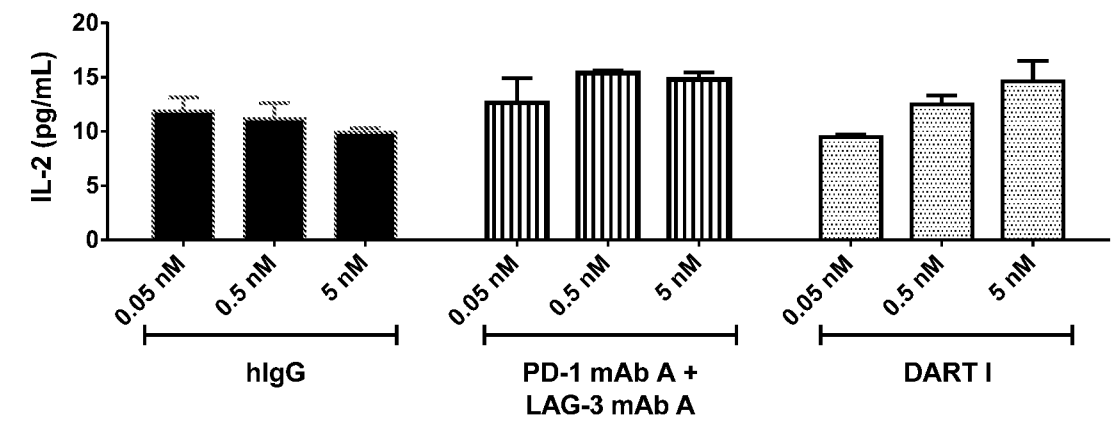
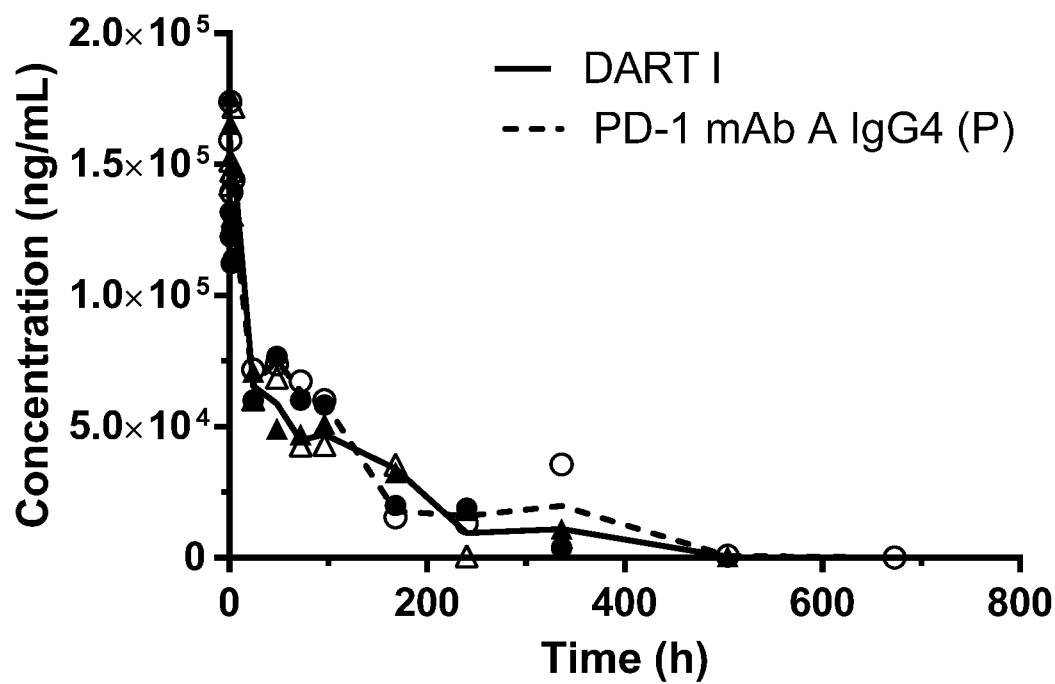


Figure 21D

**Figure 22**

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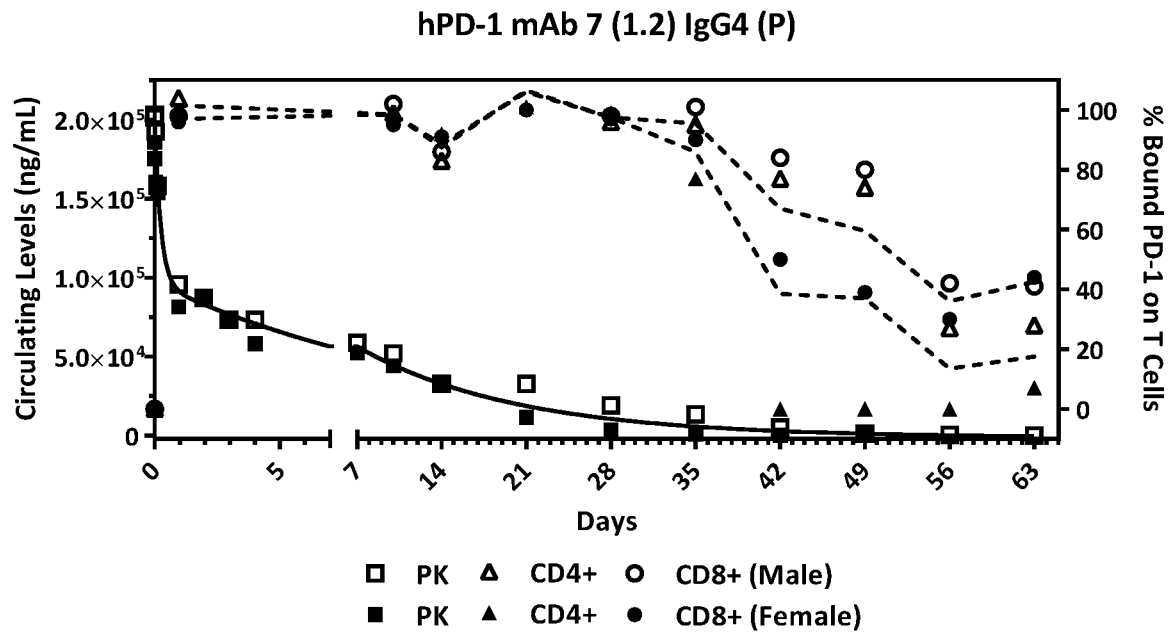


Figure 23A

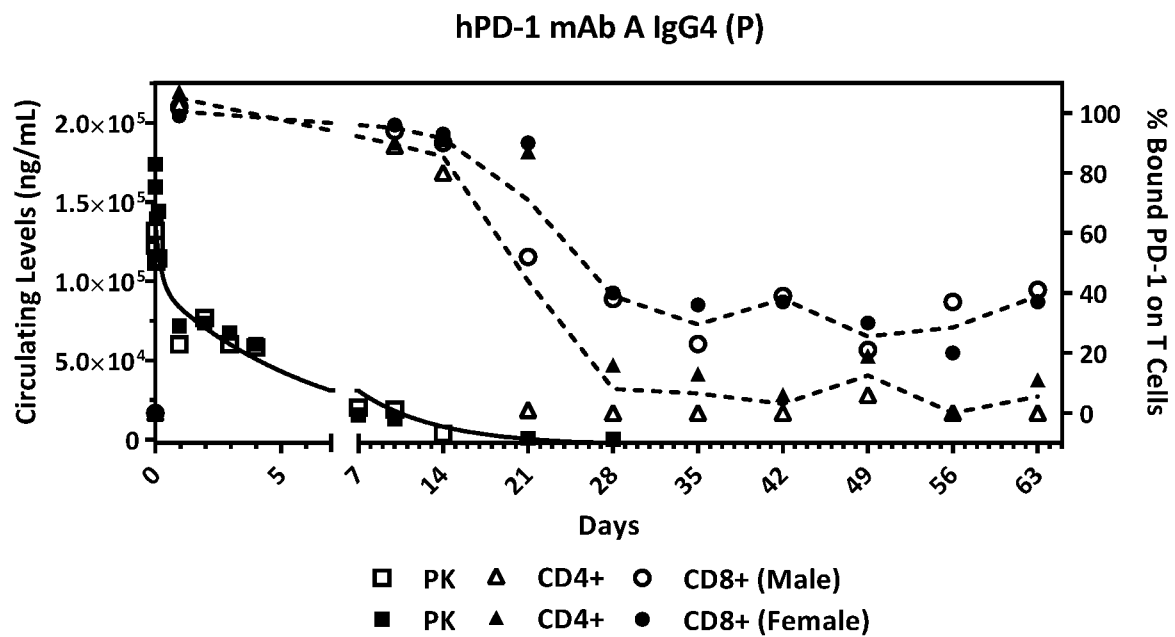


Figure 23B

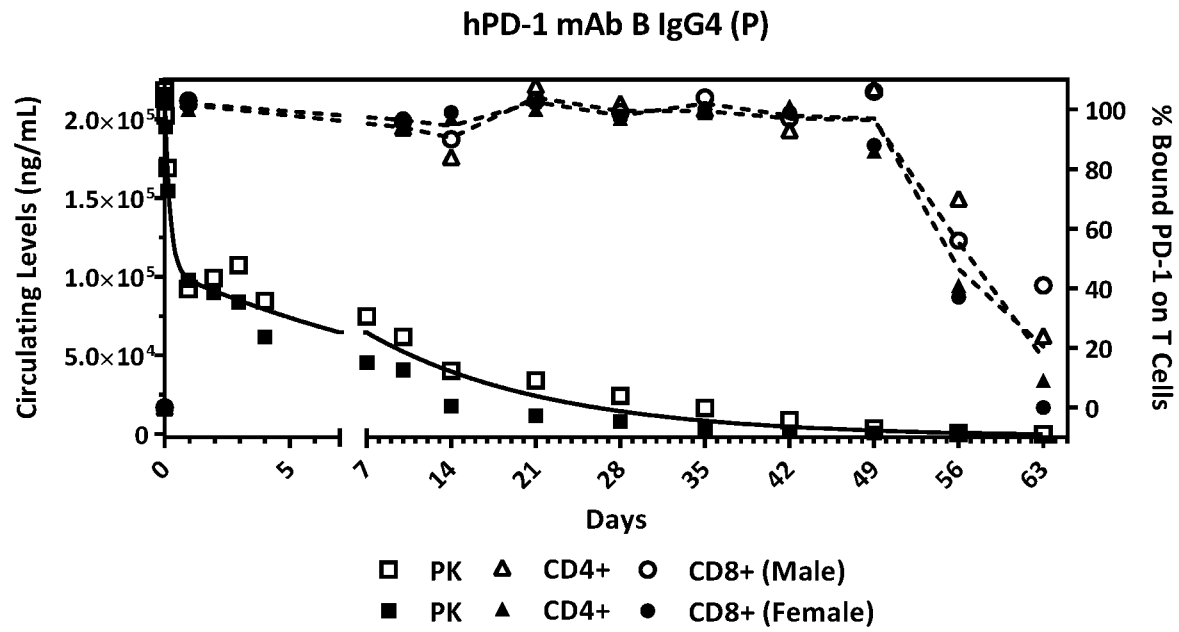


Figure 23C