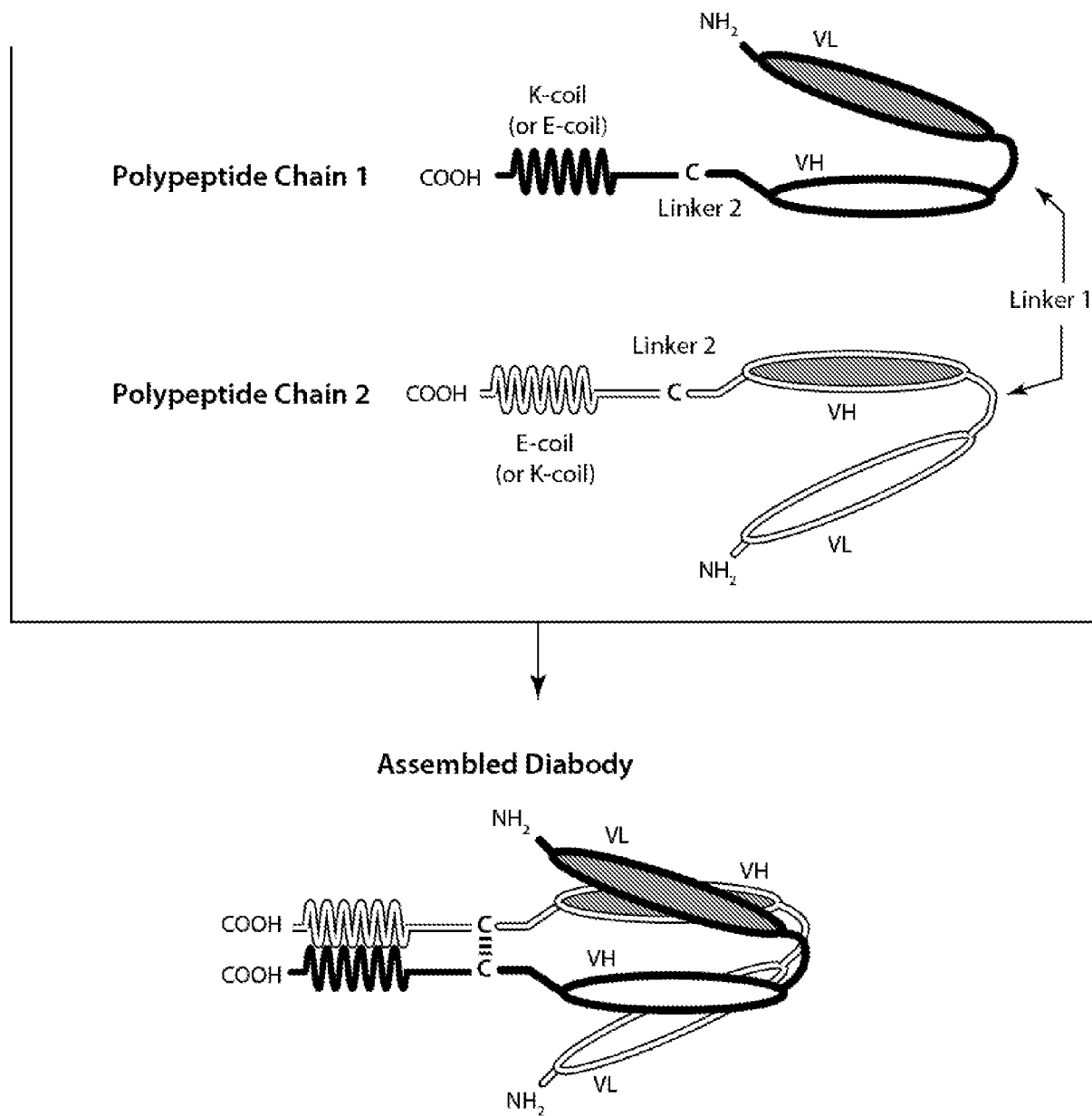
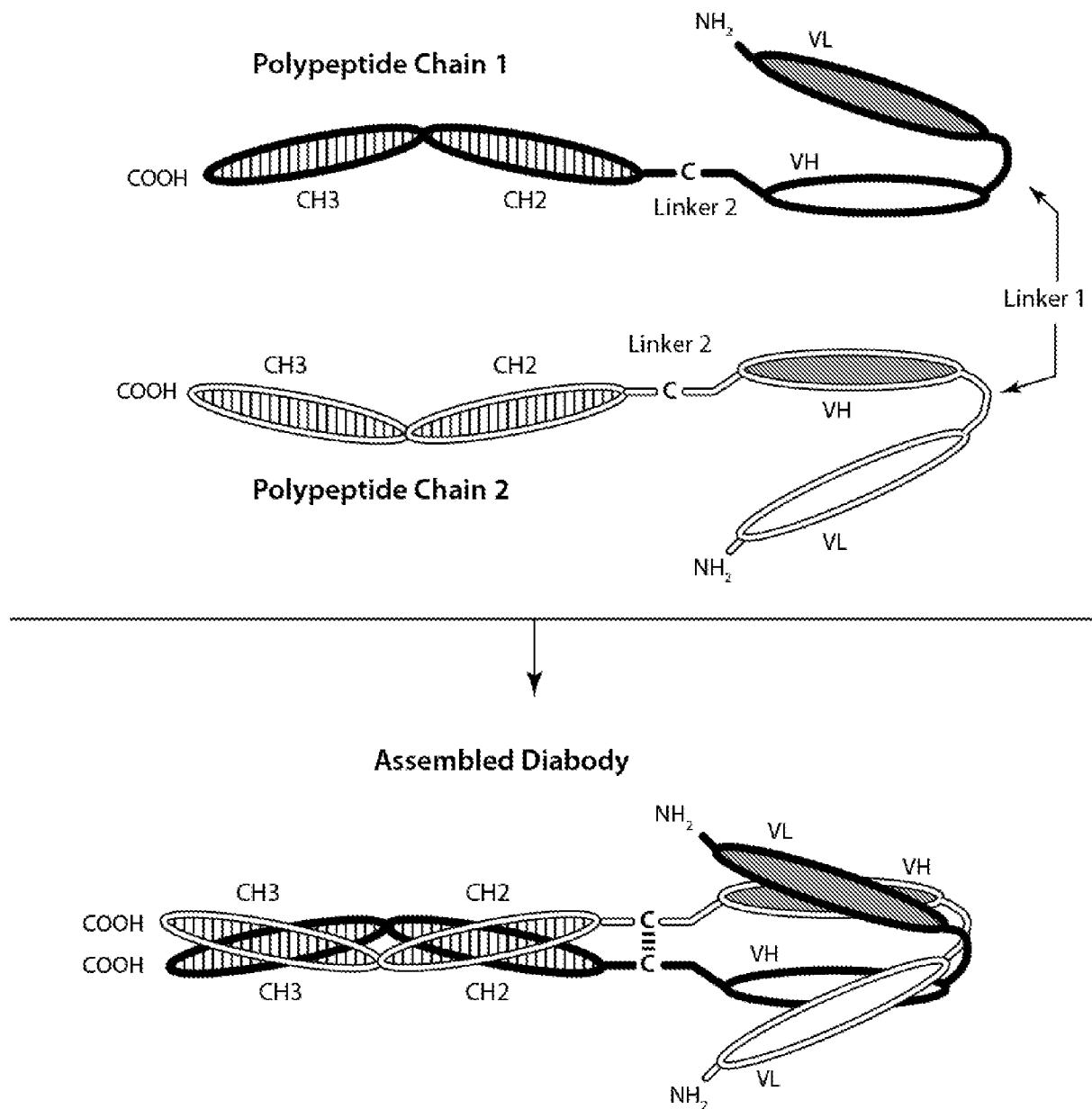


**Figure 1**

**Figure 2**

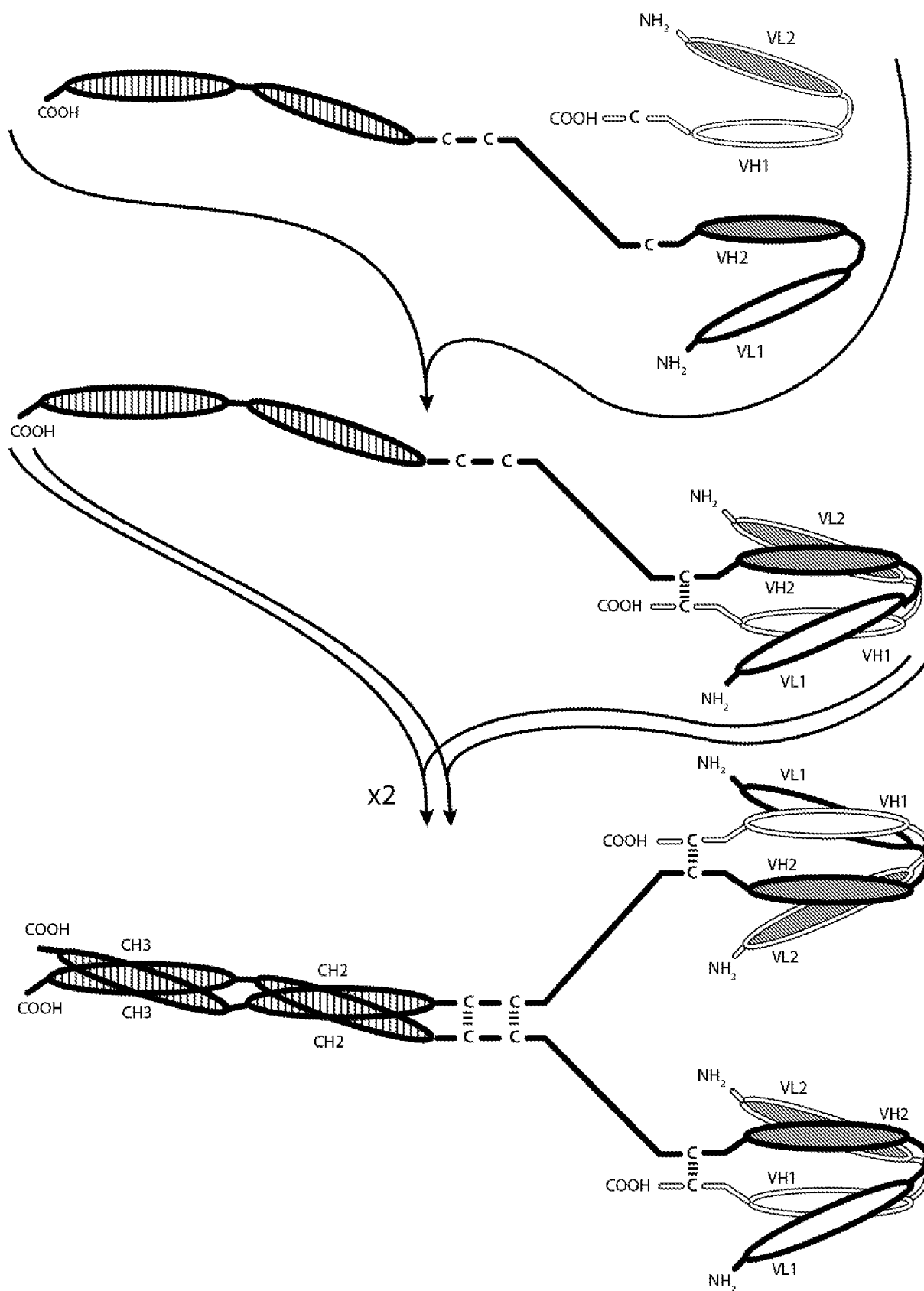


Figure 3A

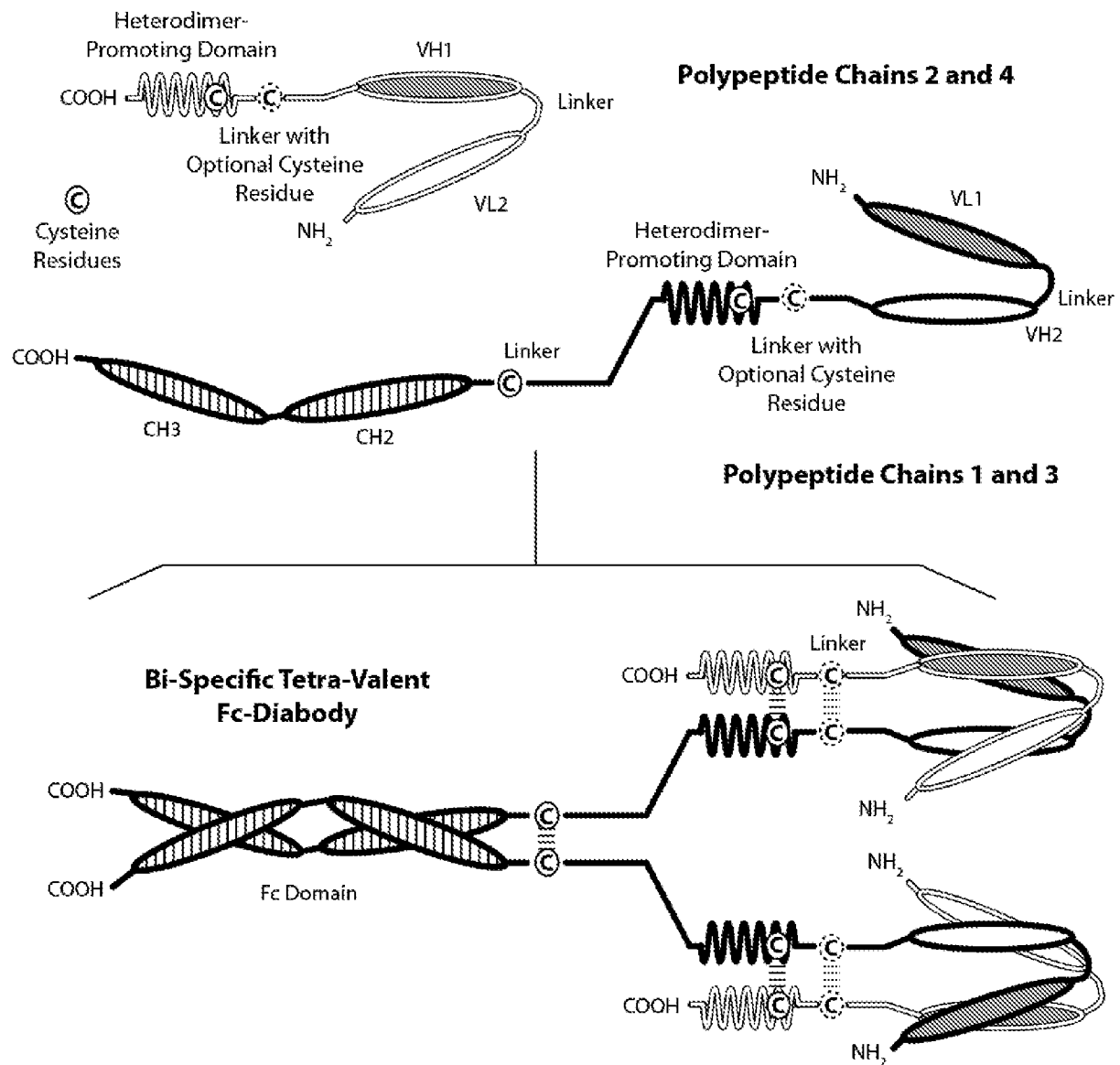
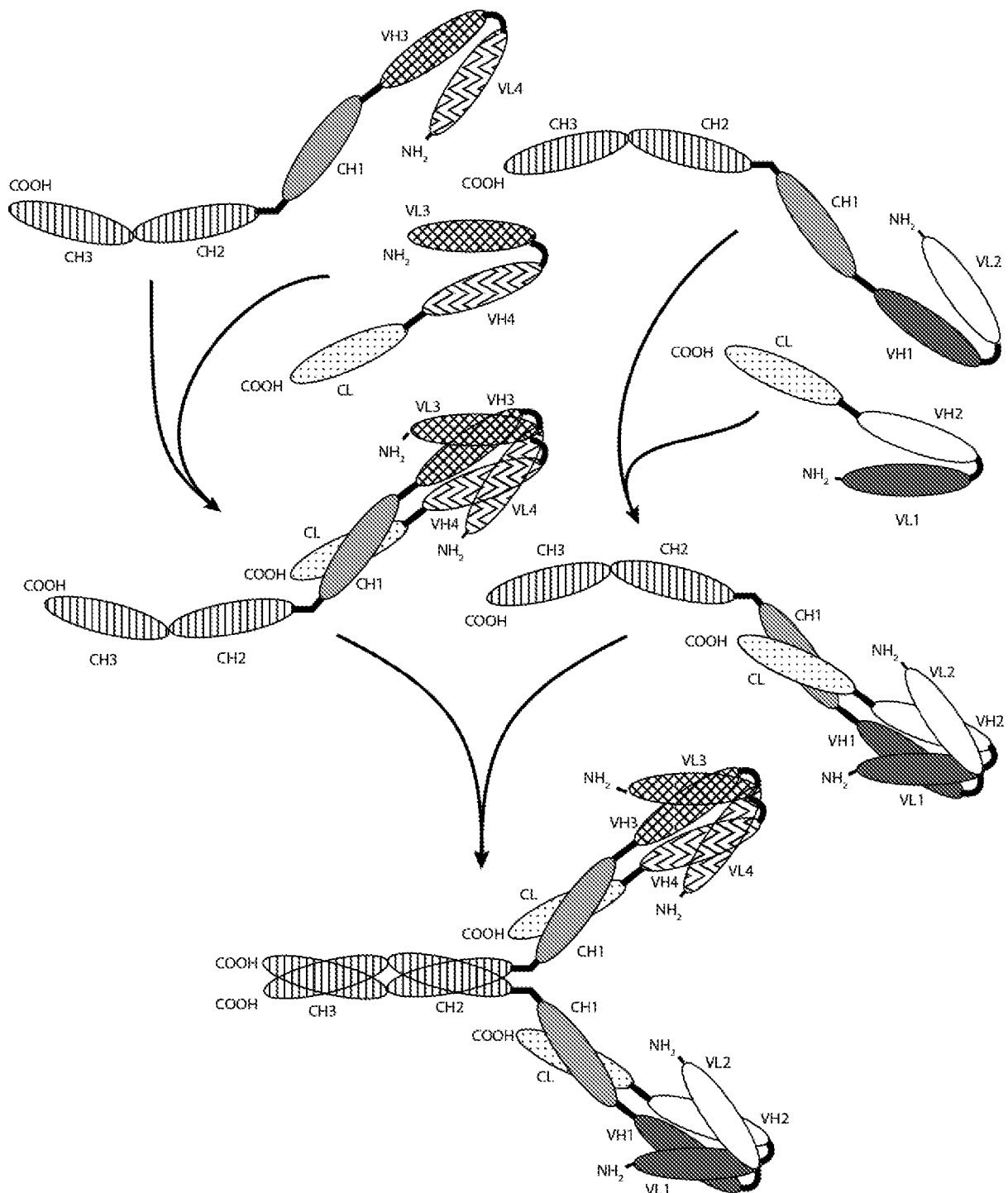
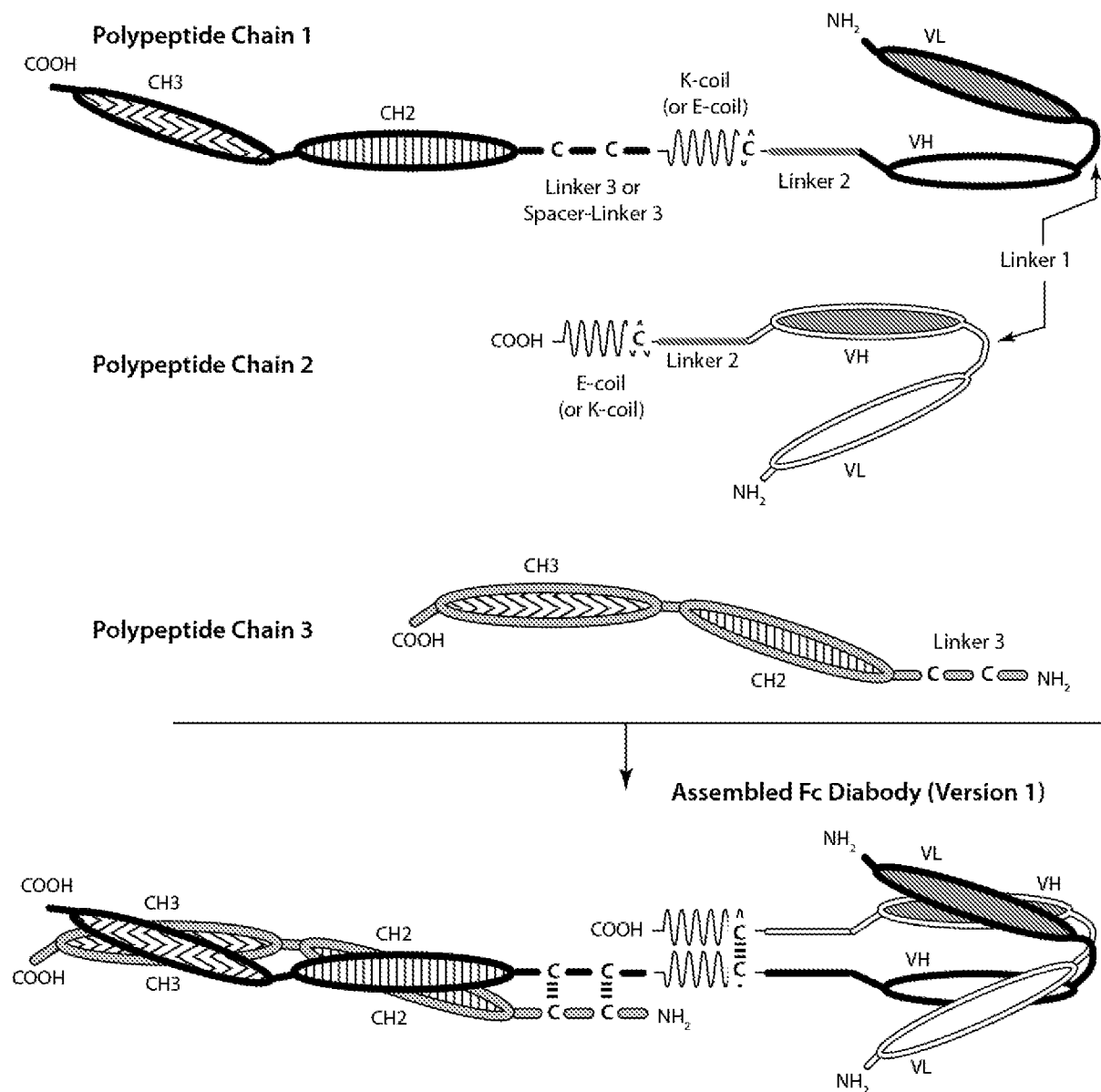
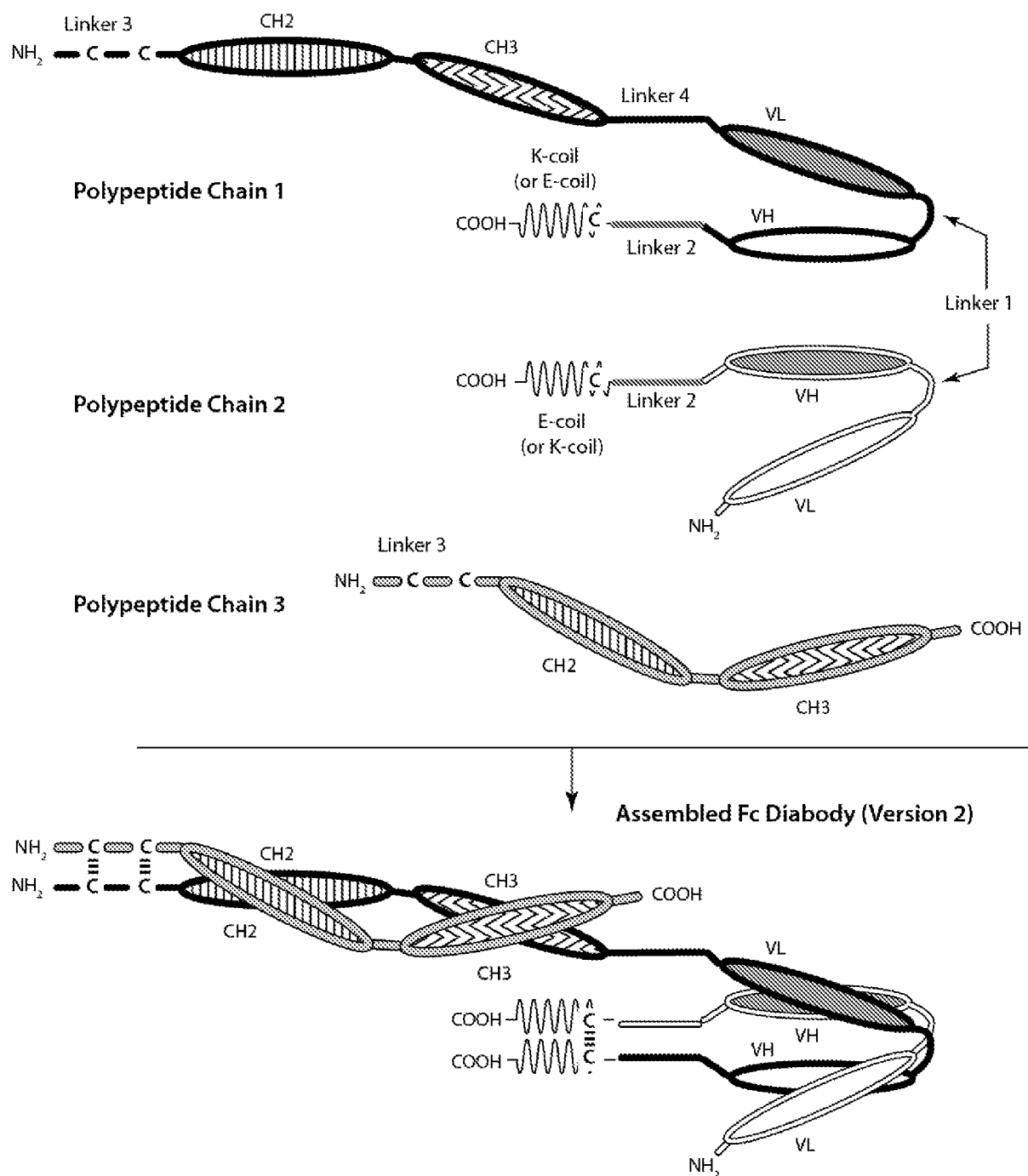
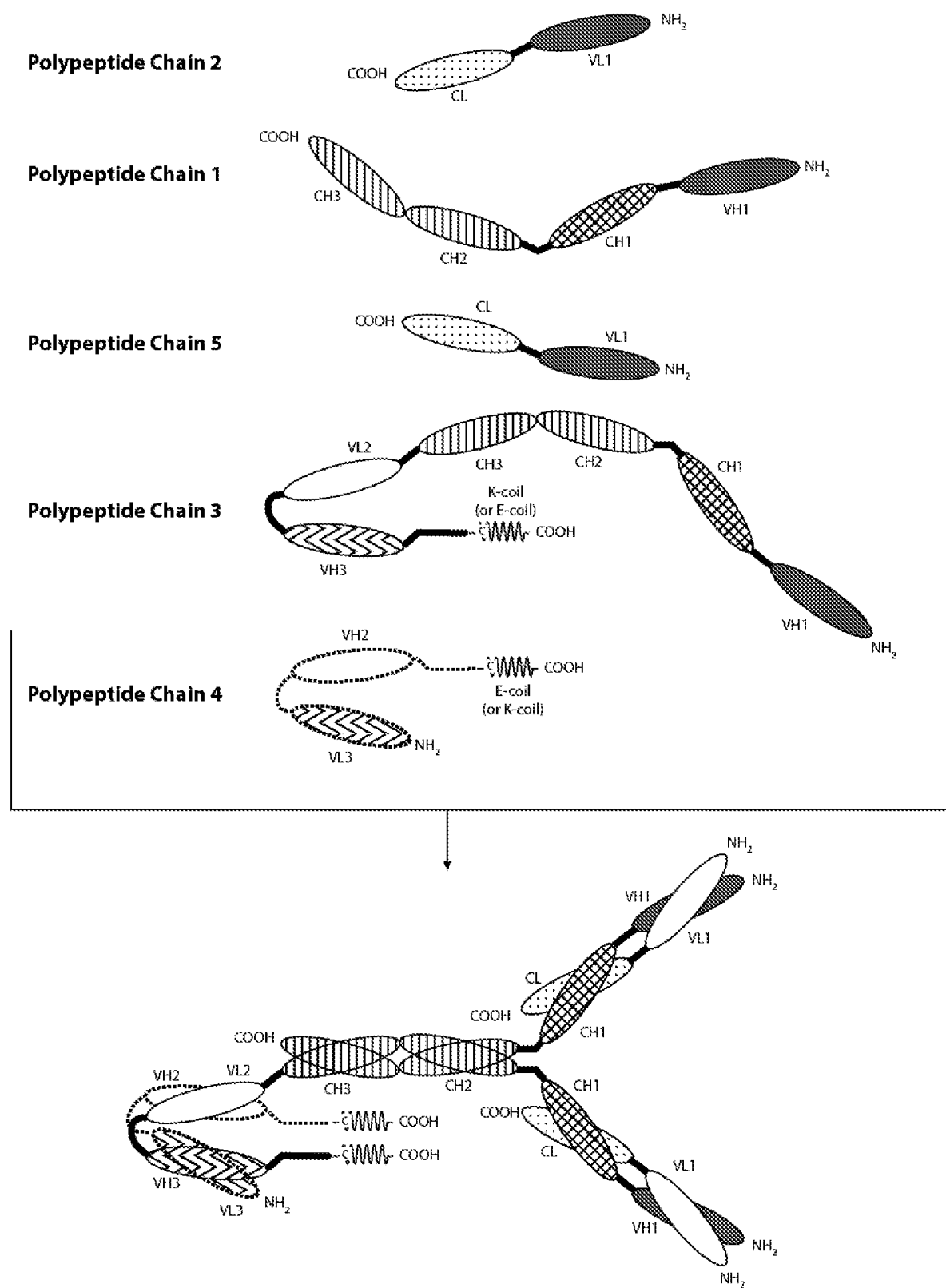


Figure 3B

**Figure 3C**

**Figure 4A**

**Figure 4B**

**Figure 5**

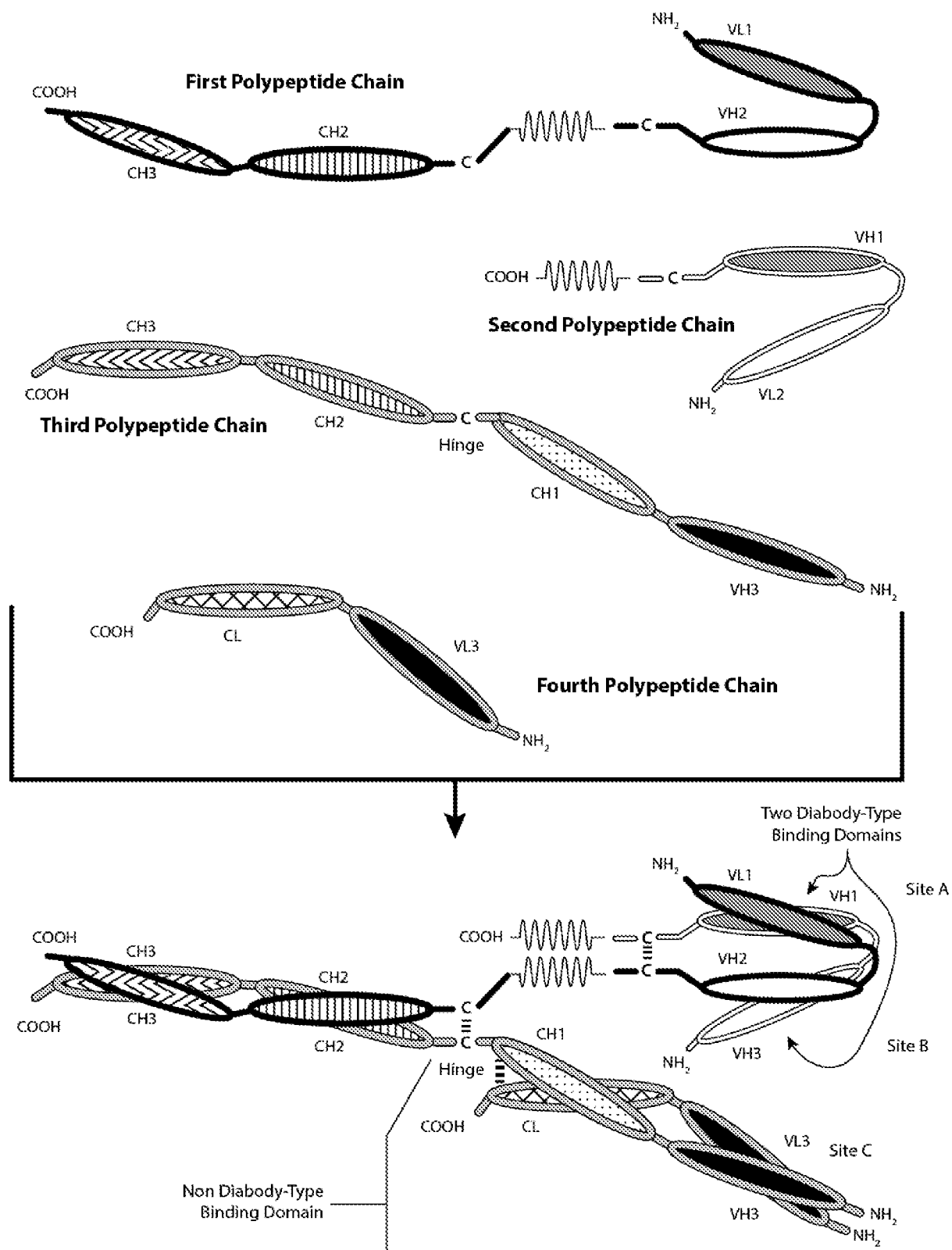


Figure 6A

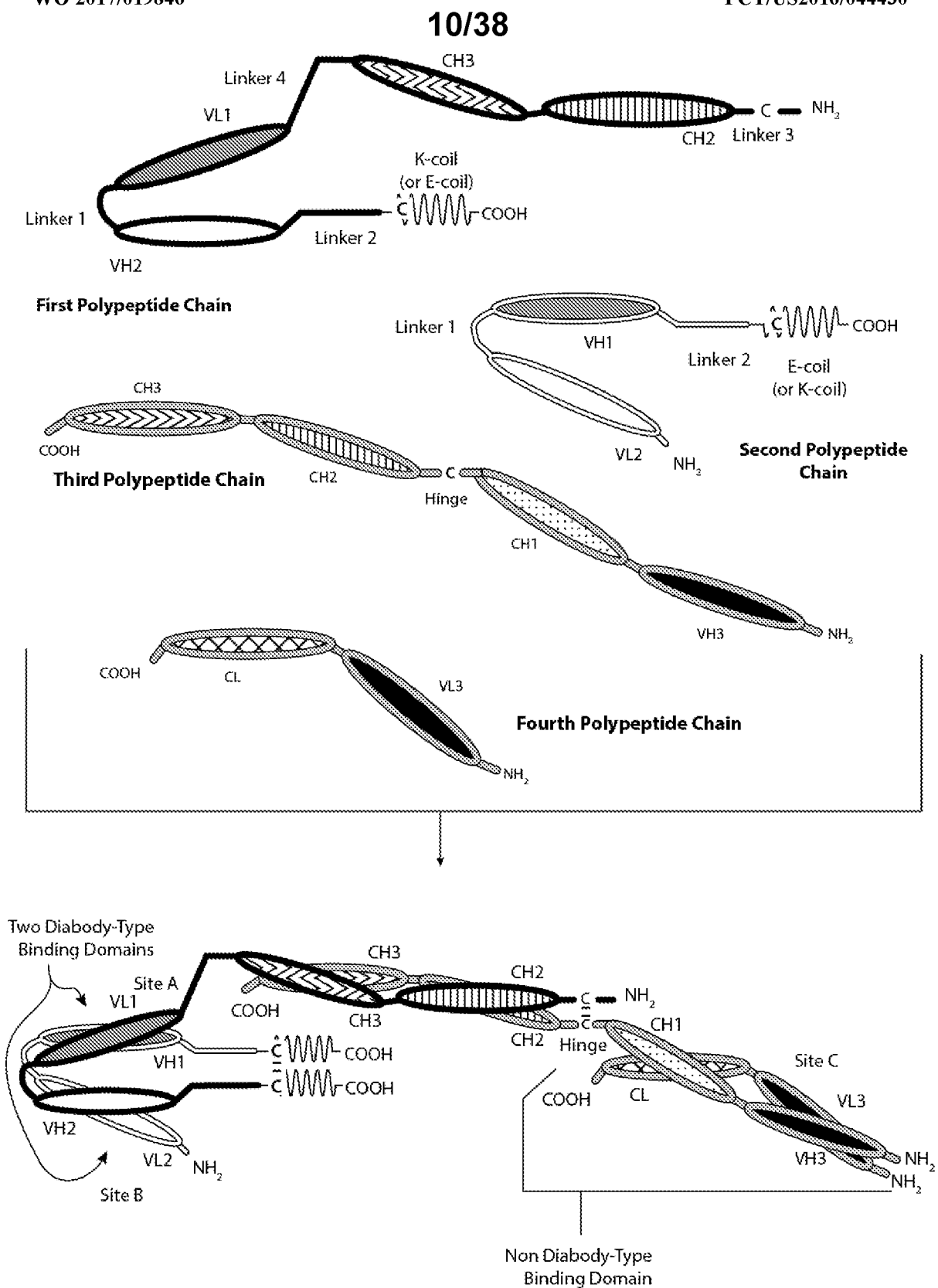
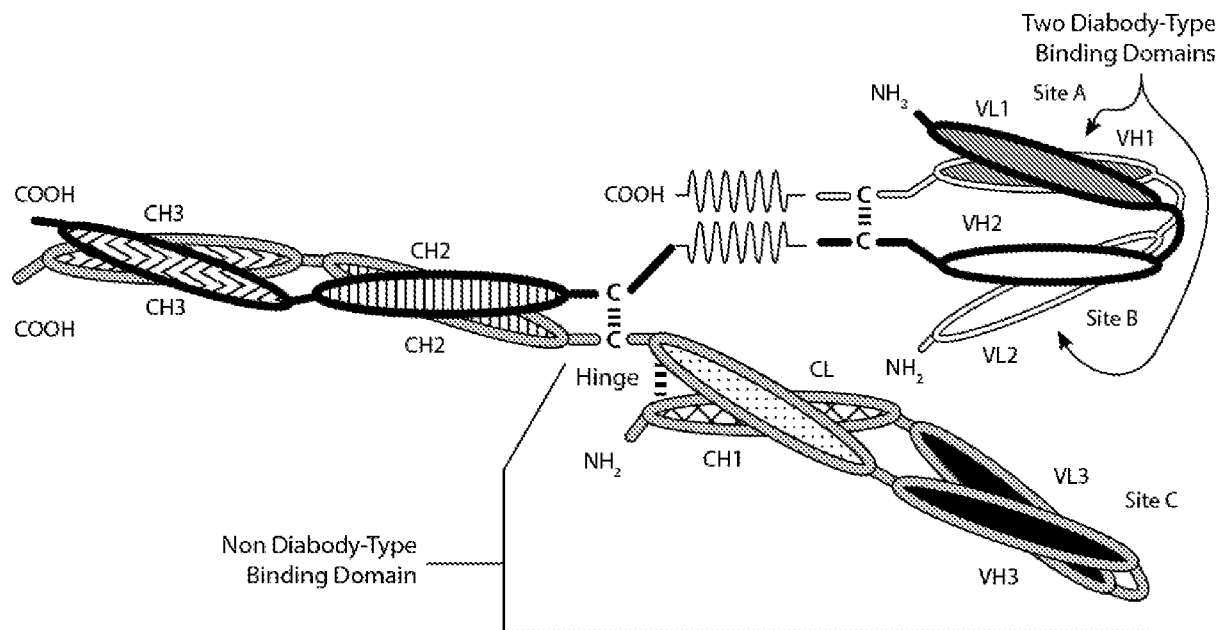
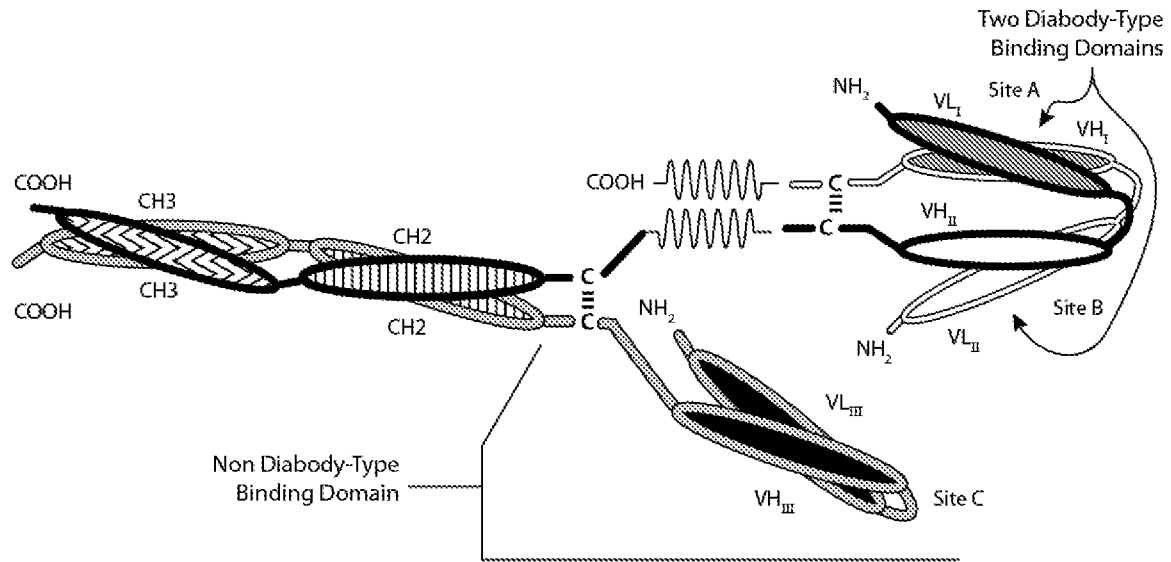
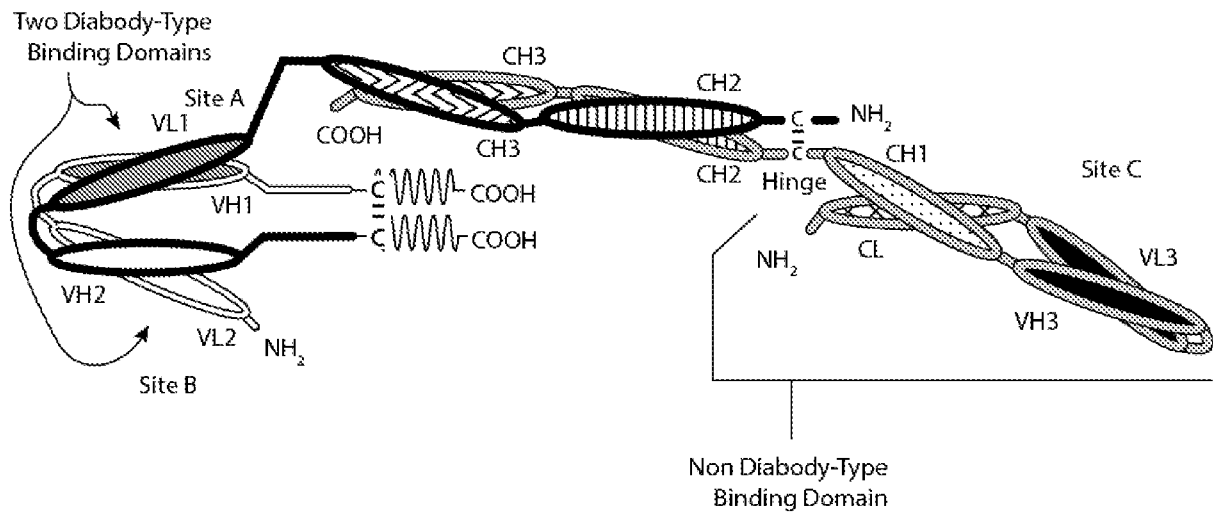
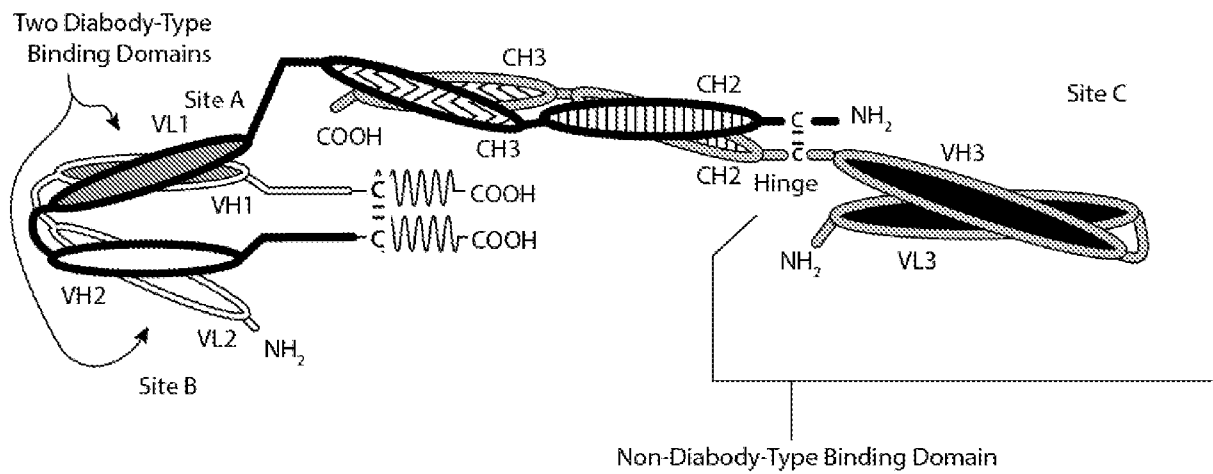


Figure 6B

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

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

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

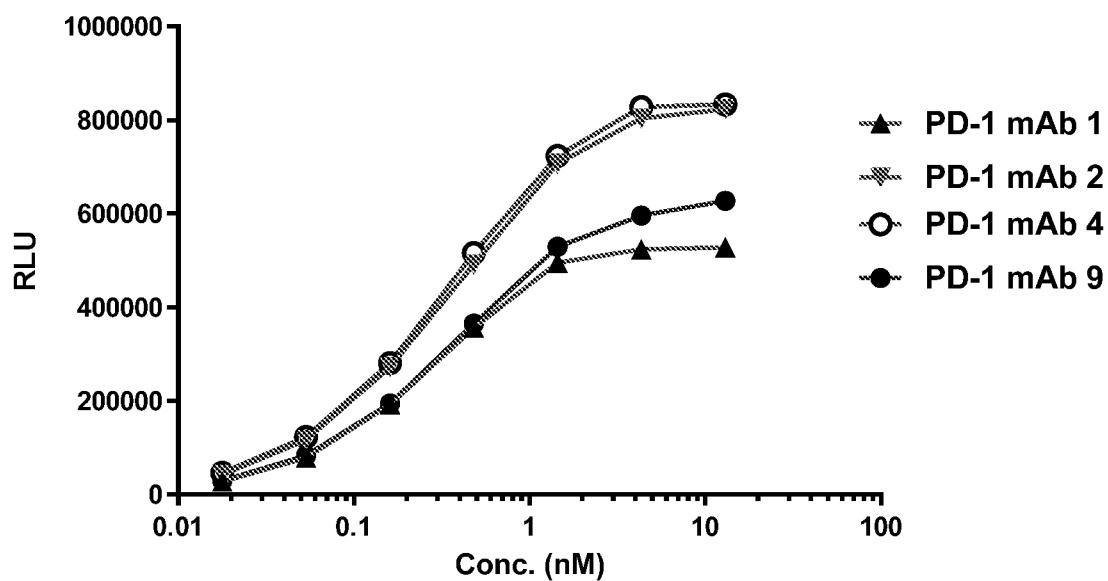


Figure 7A

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

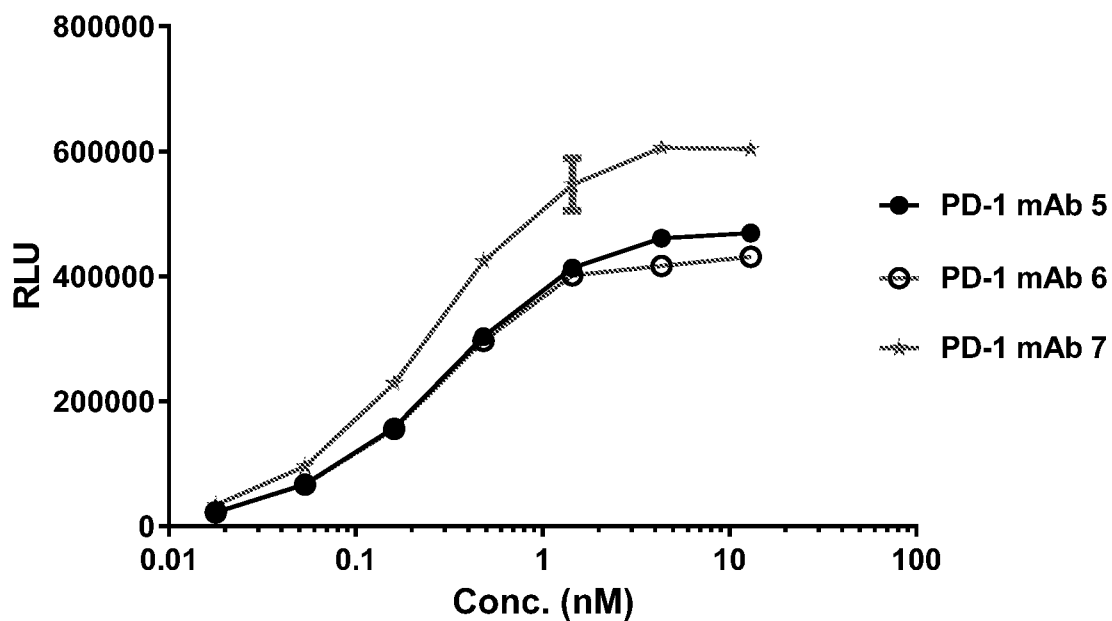


Figure 7B

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

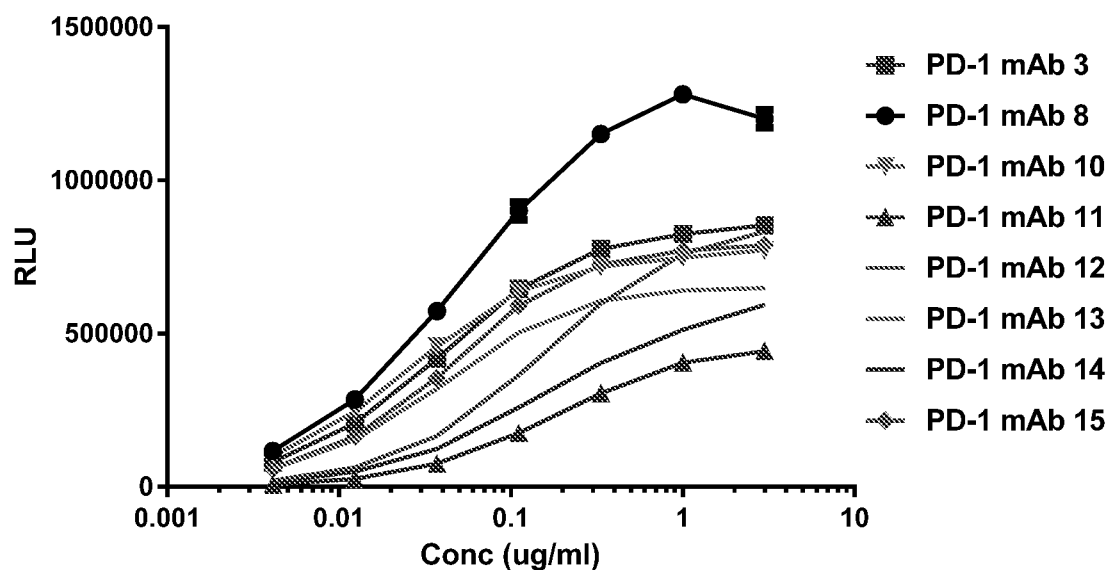


Figure 7C

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

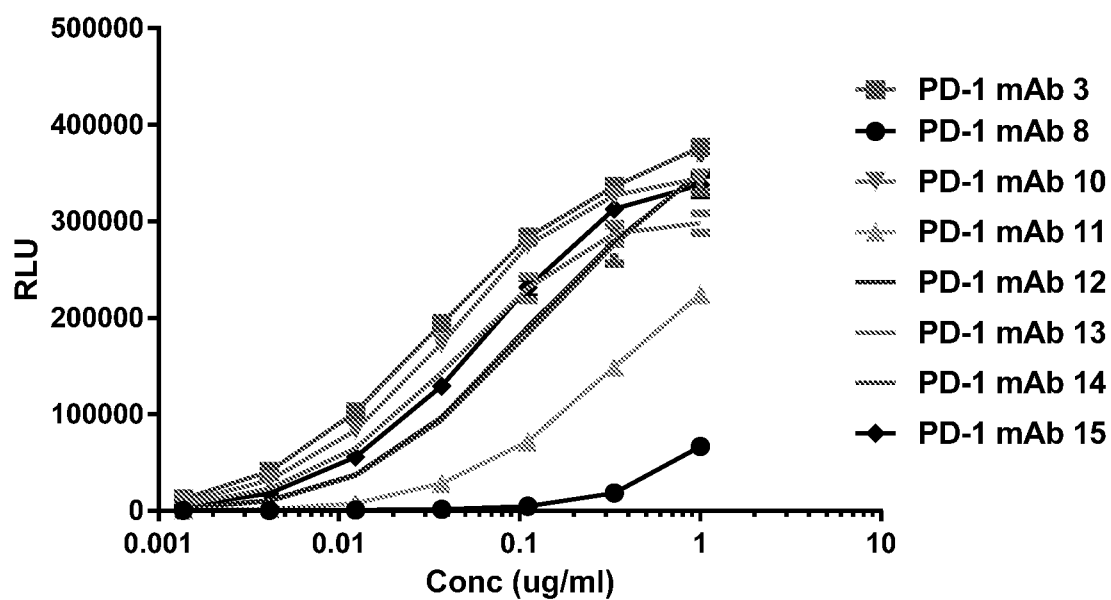


Figure 7D

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

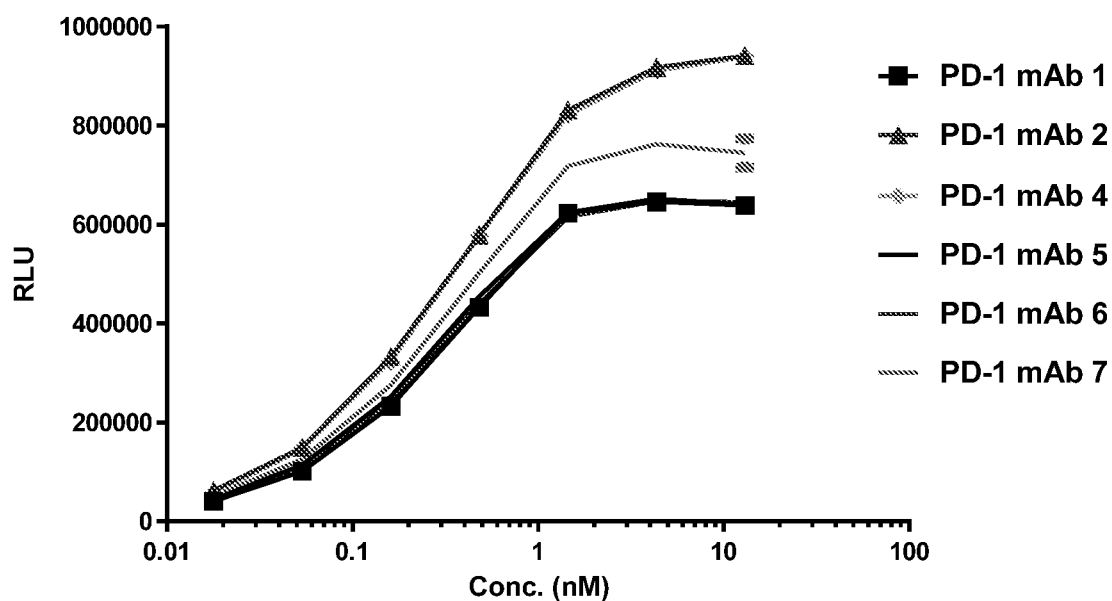


Figure 8A

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

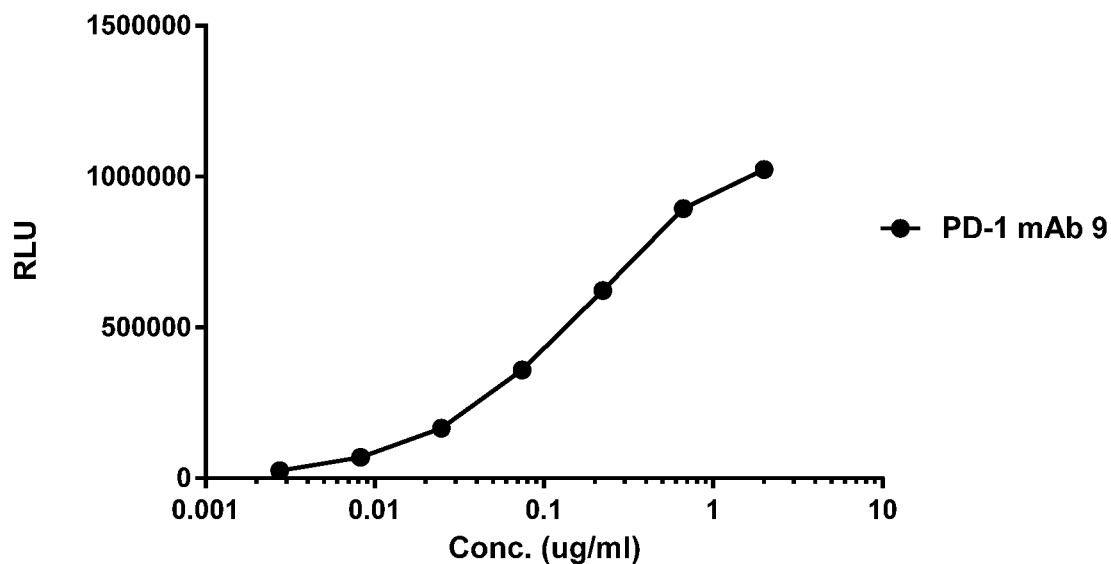


Figure 8B

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

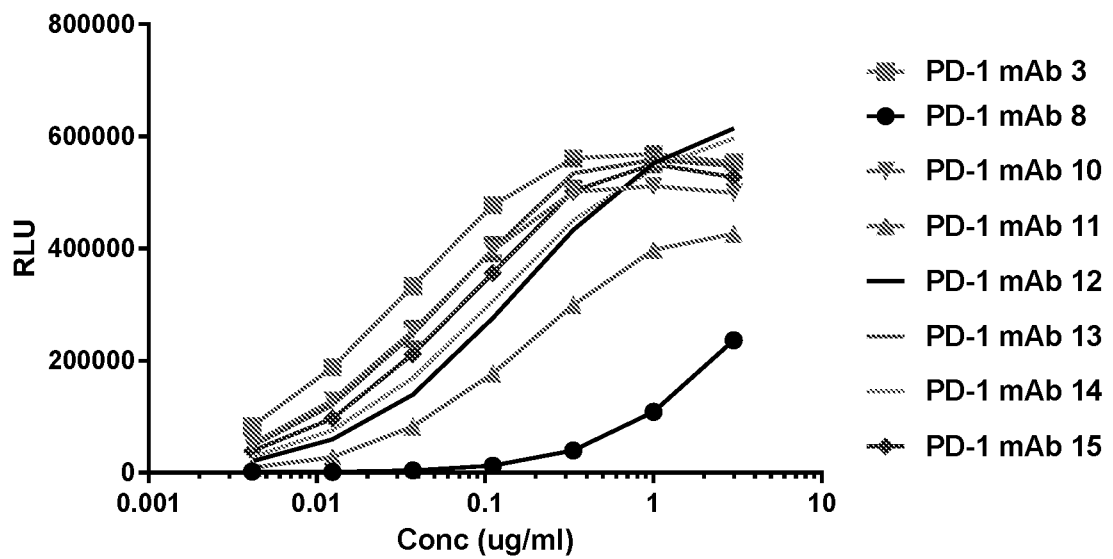


Figure 8C

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

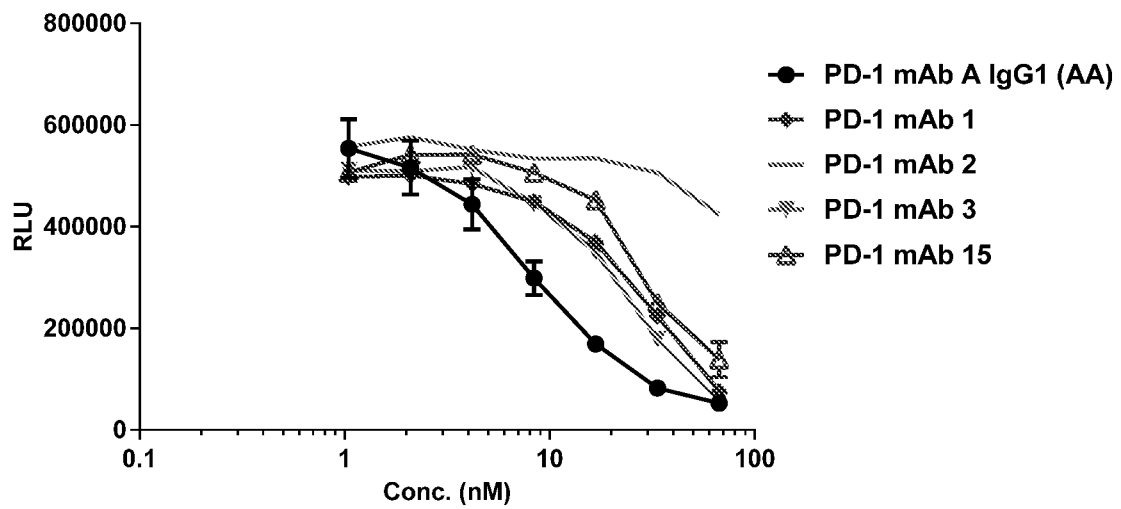


Figure 9A

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

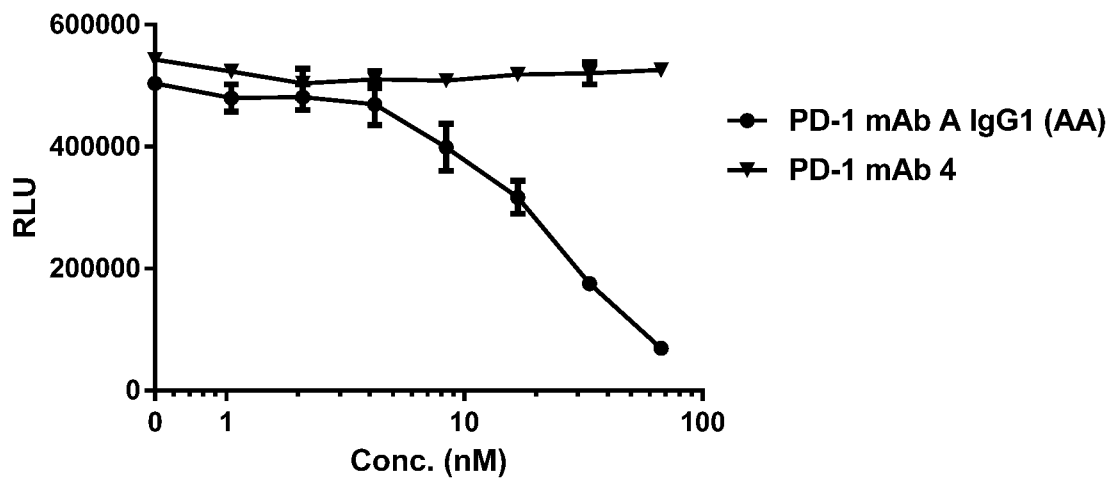


Figure 9B

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

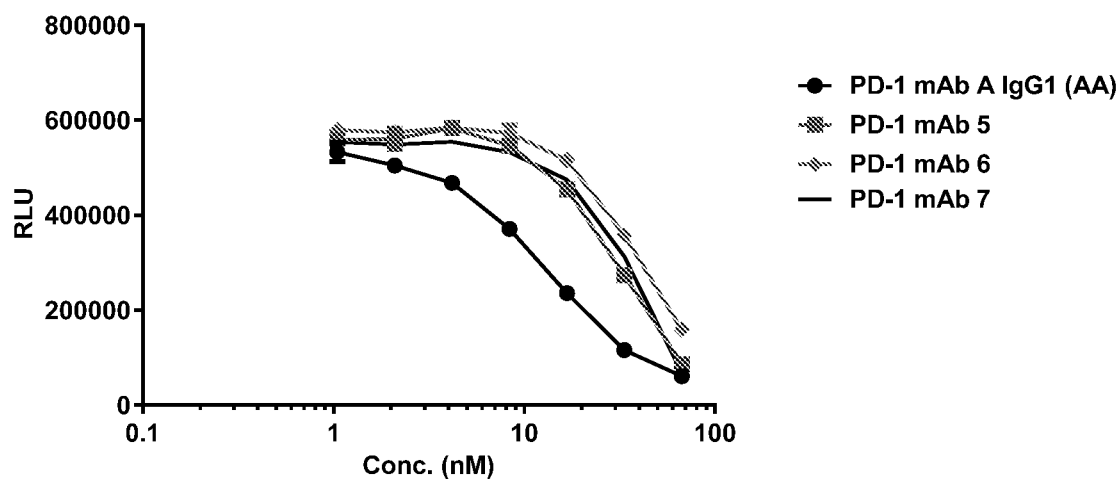


Figure 9C

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

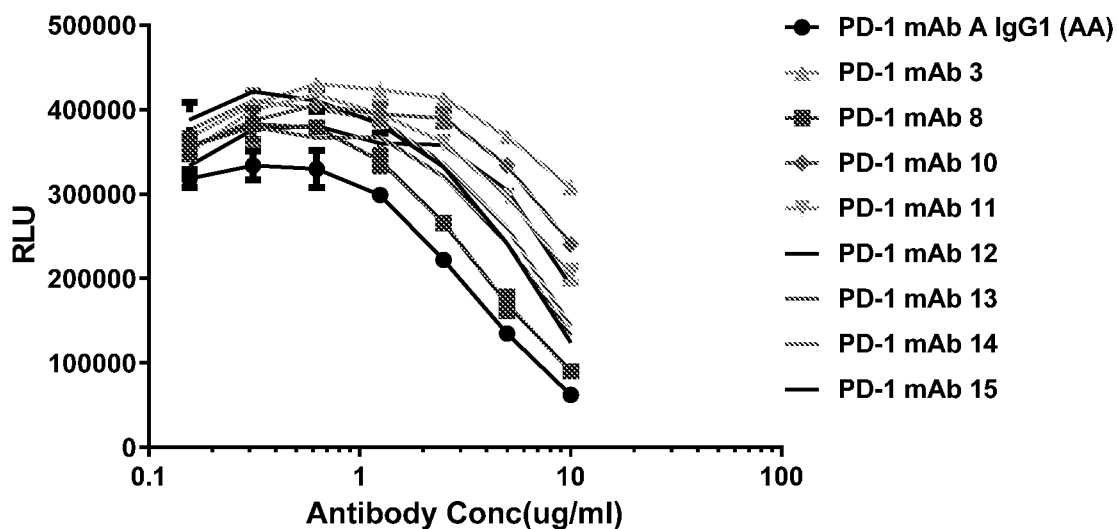
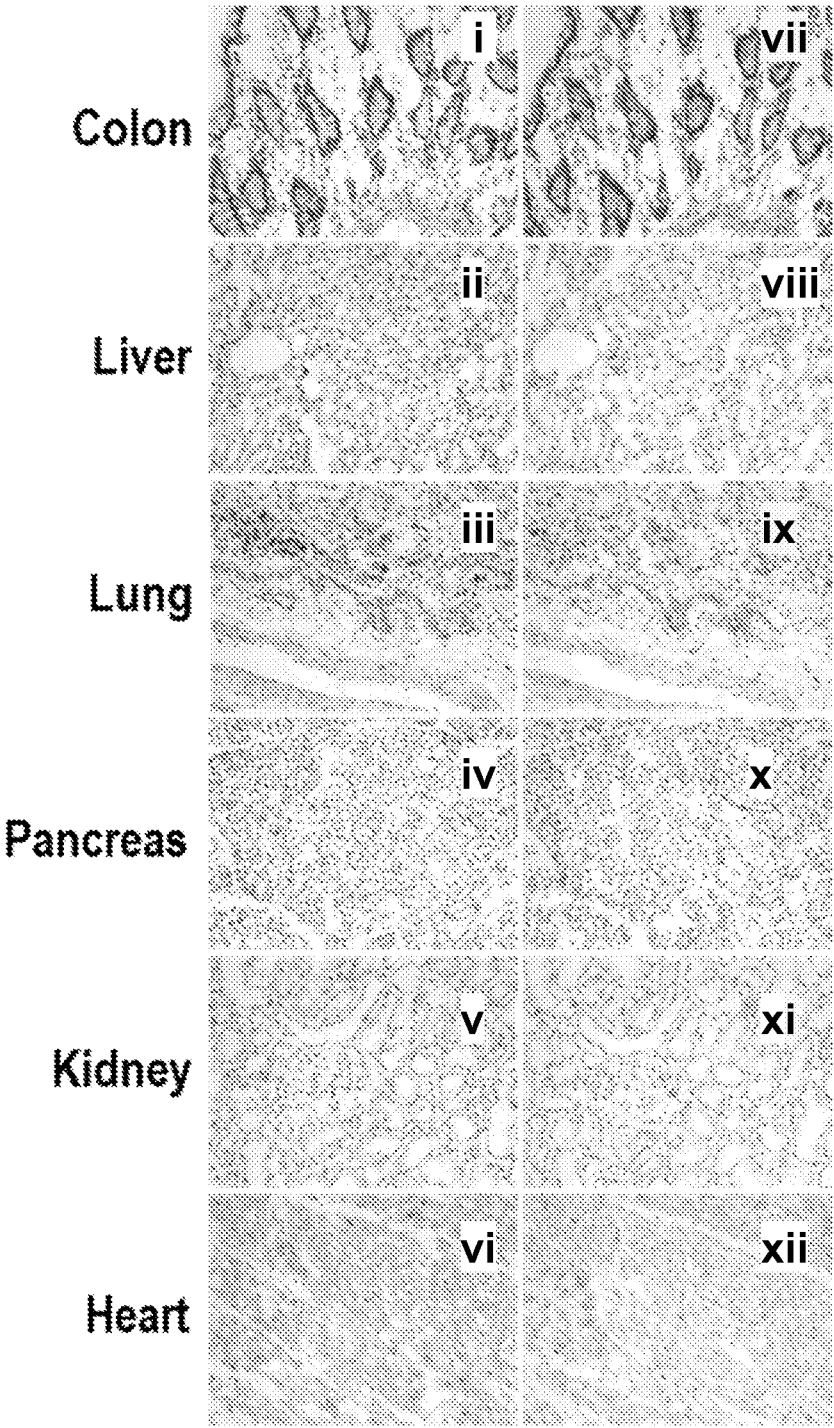


Figure 9D

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Normal Tissues



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

Figure 10A

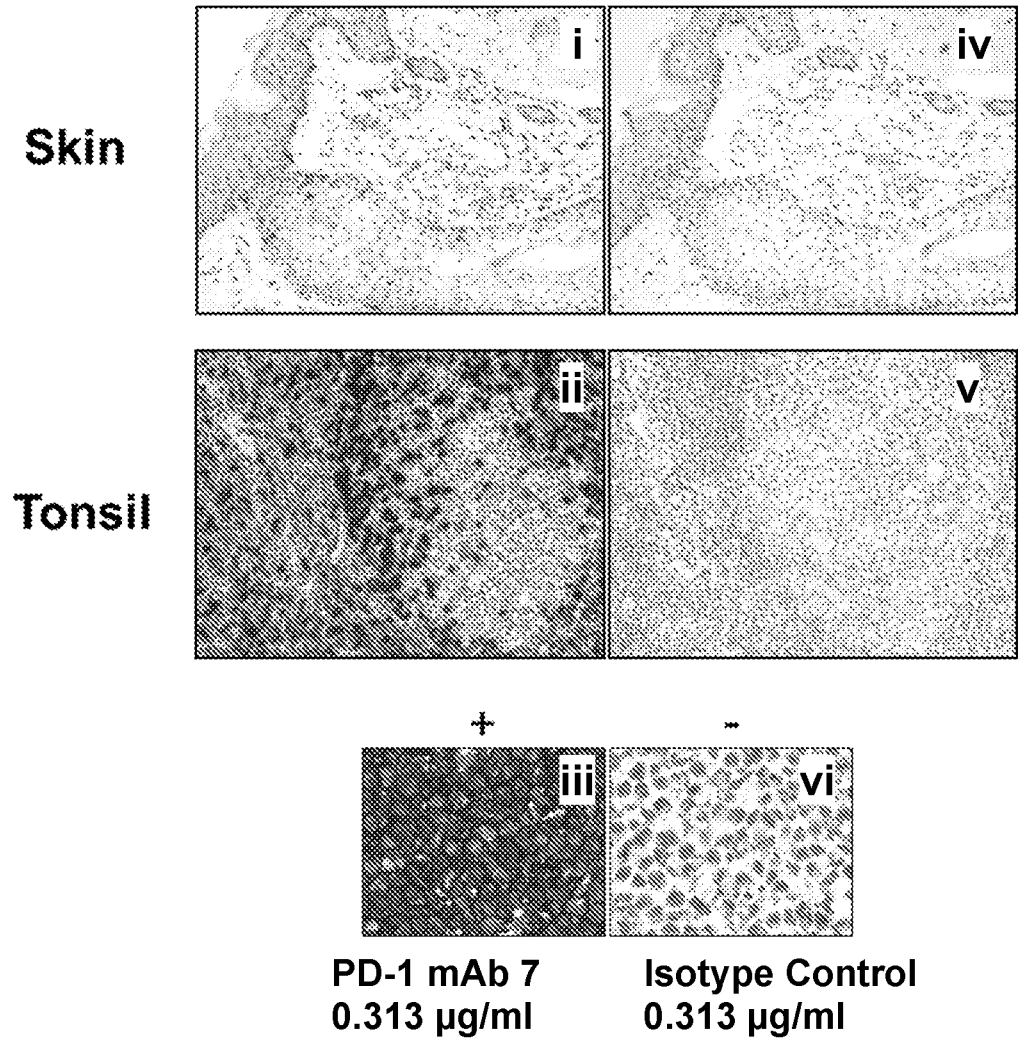
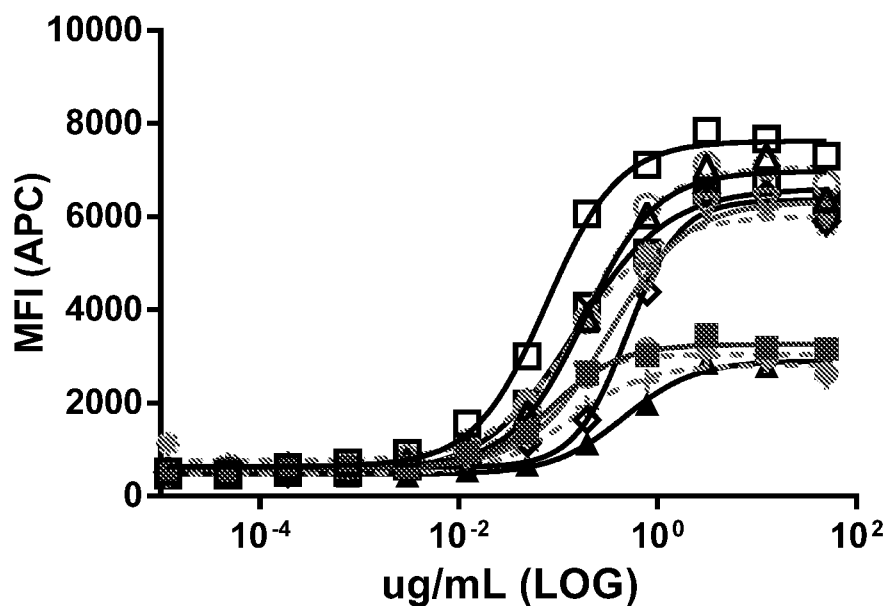


Figure 10B

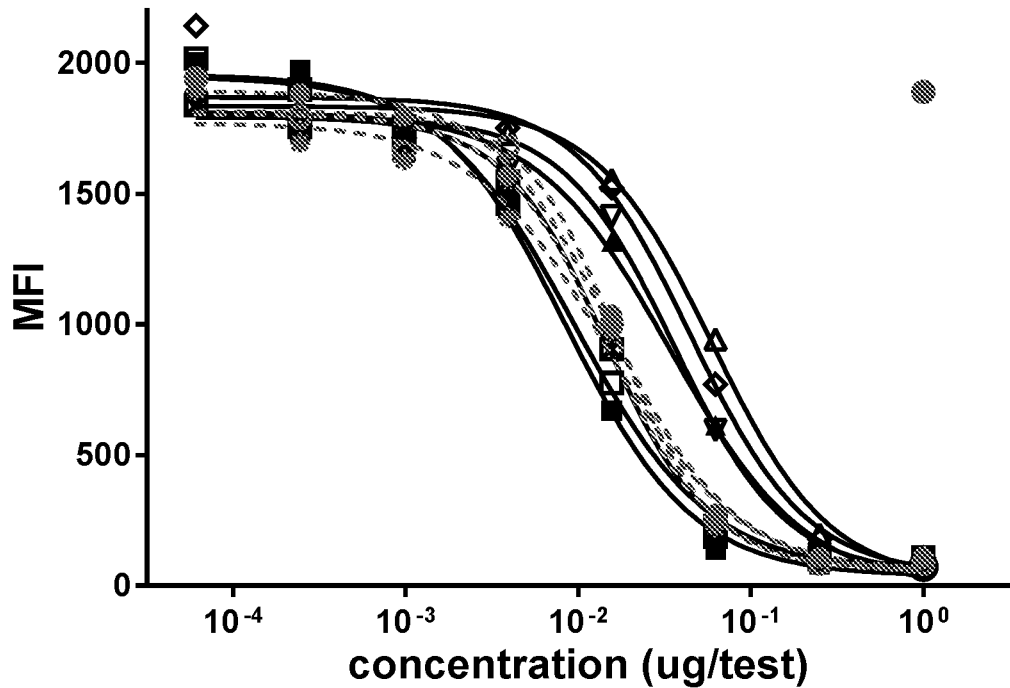
Saturation Curves (1:4 dilution)



- ◆ 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)

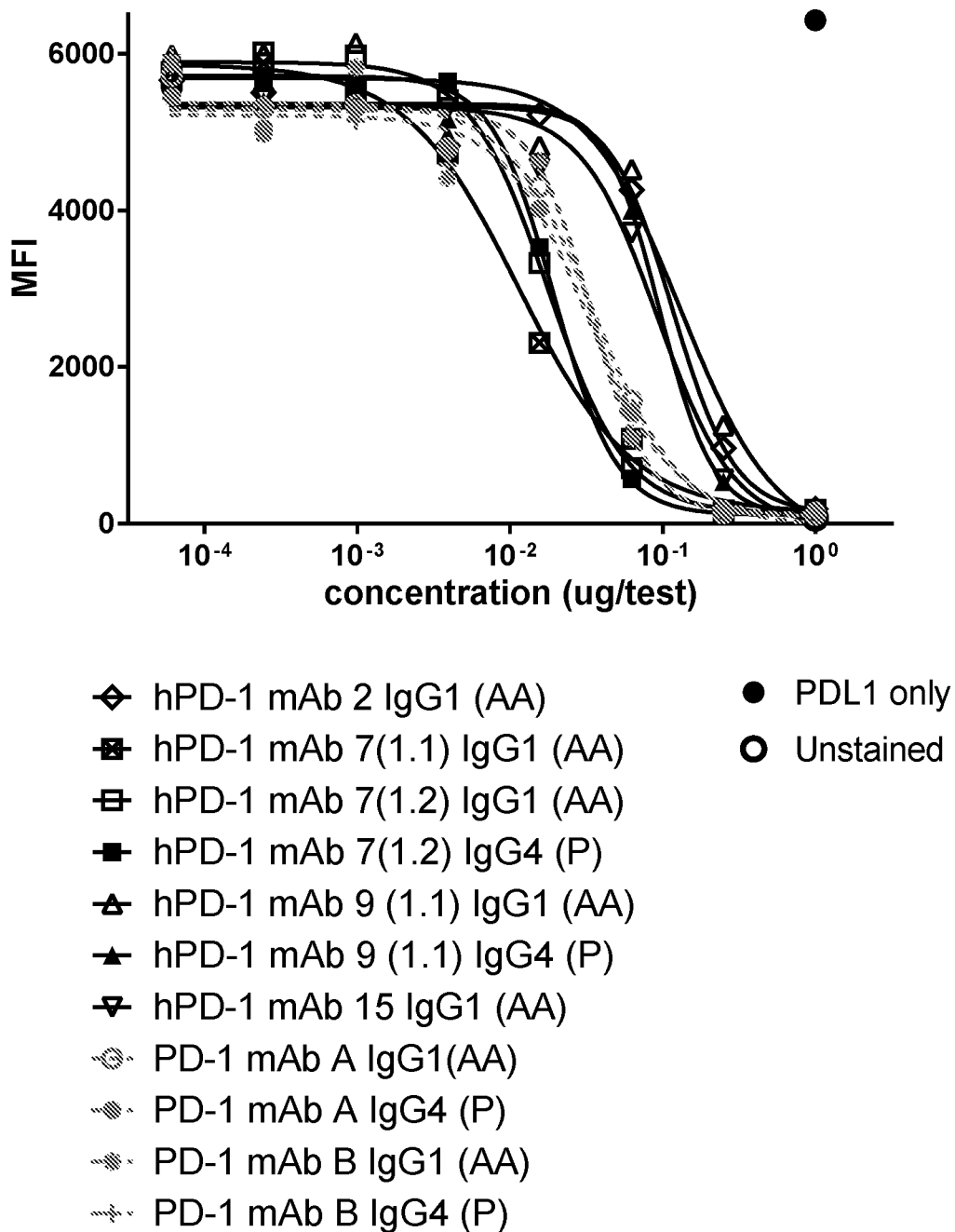
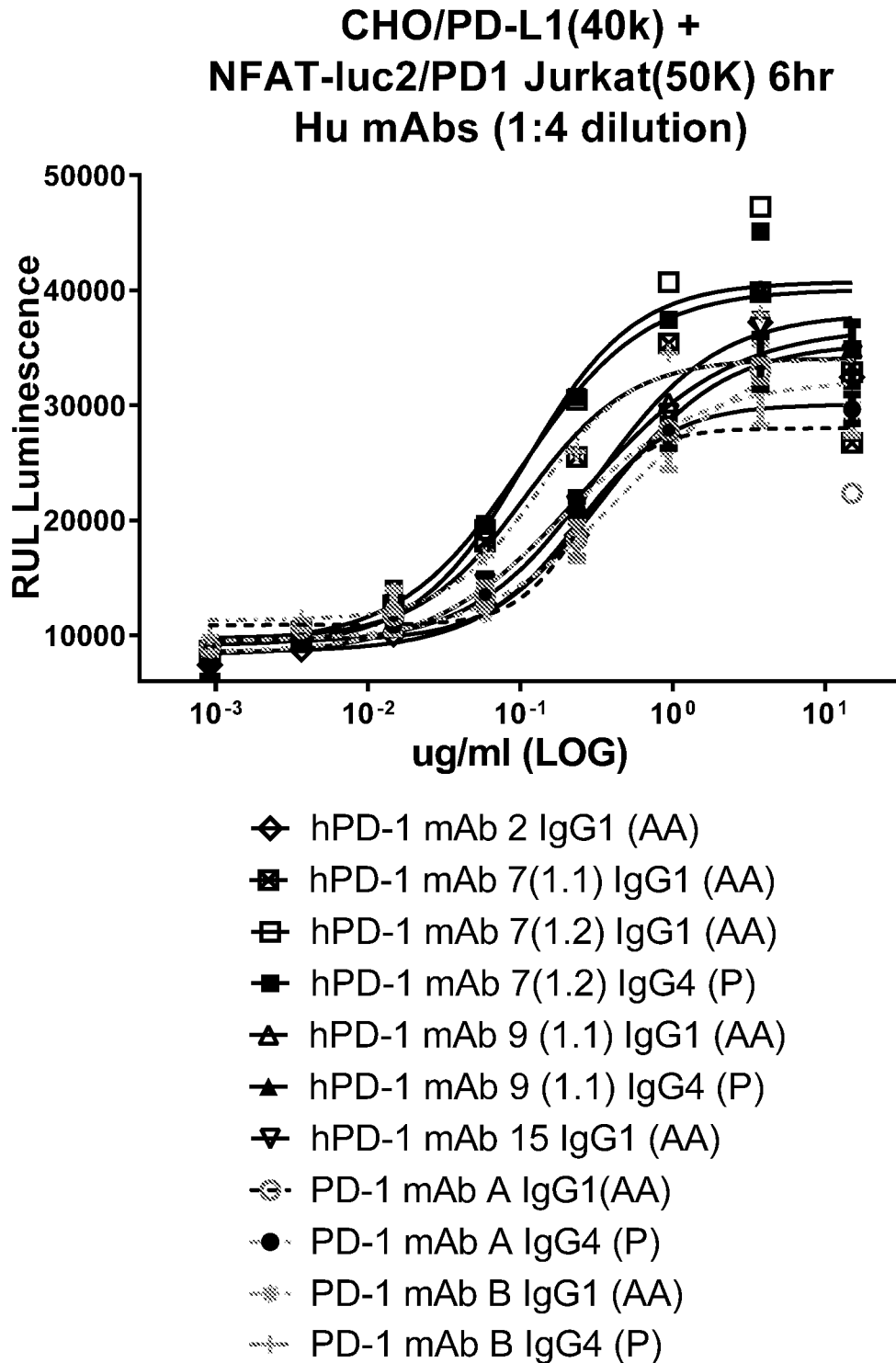


Figure 12B

**Figure 13**

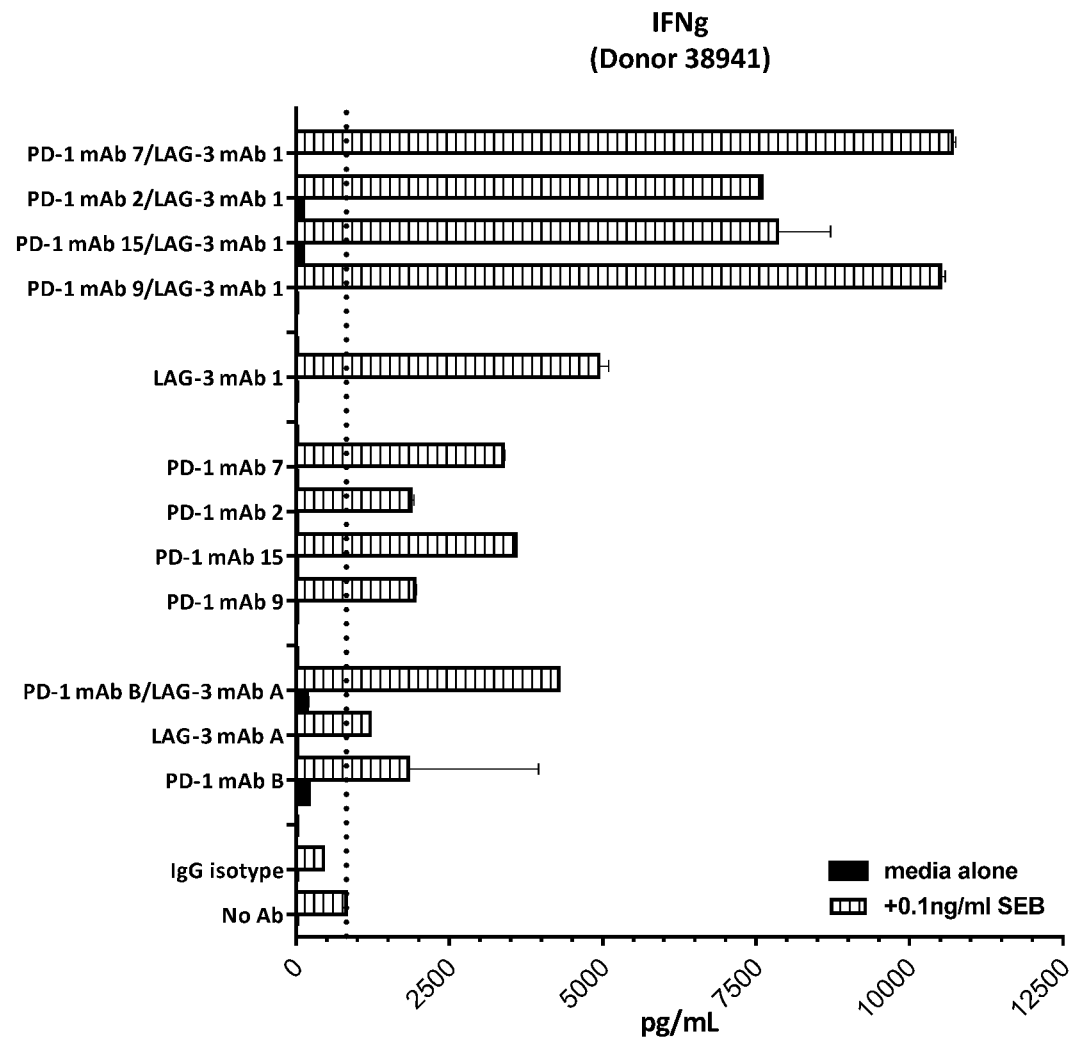


Figure 14

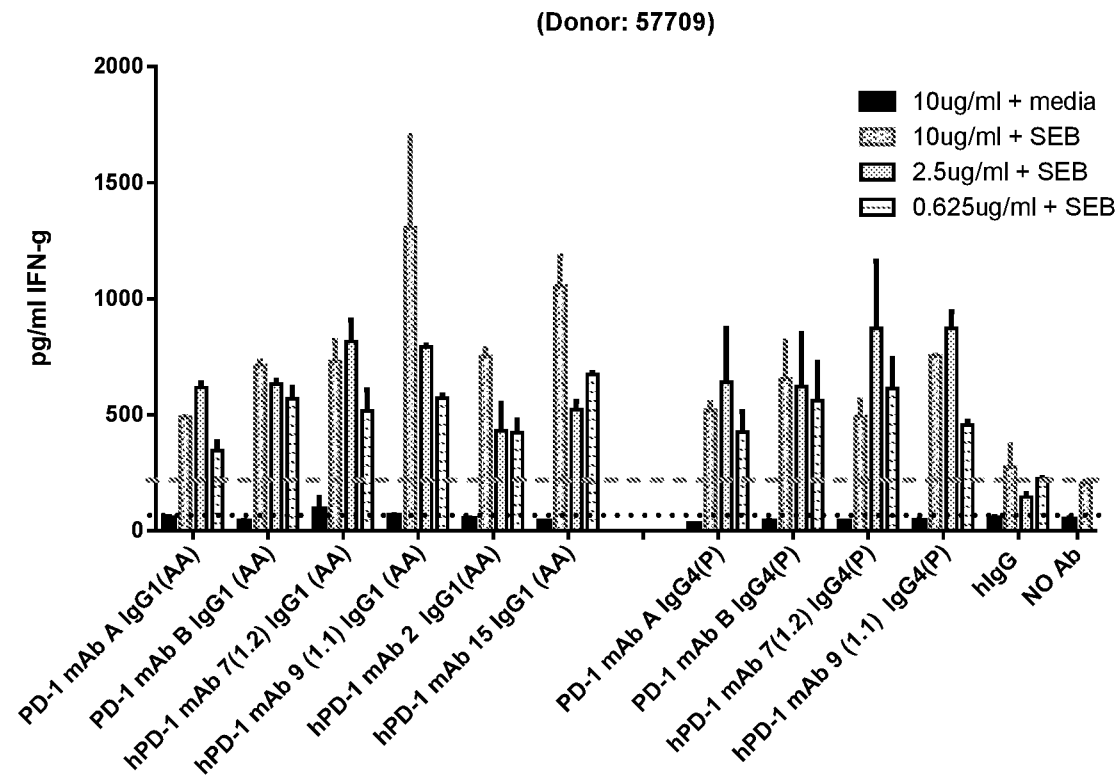
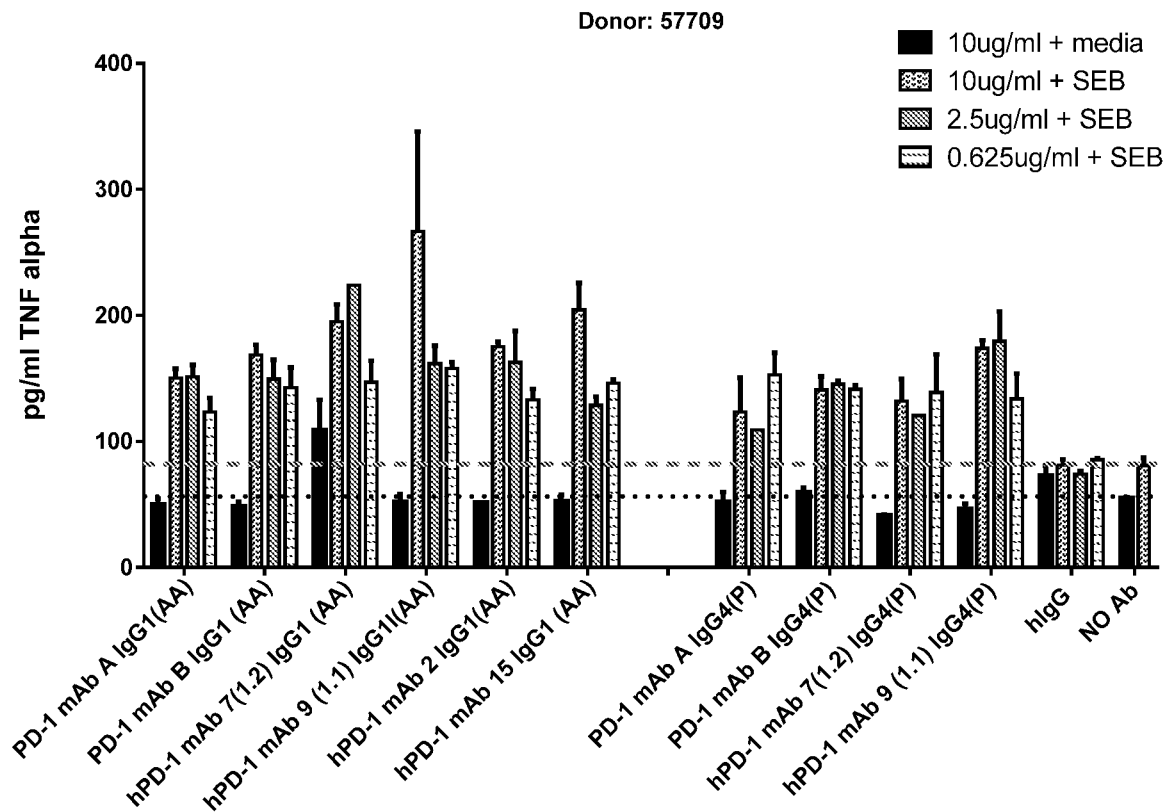


Figure 15A

**Figure 15B**

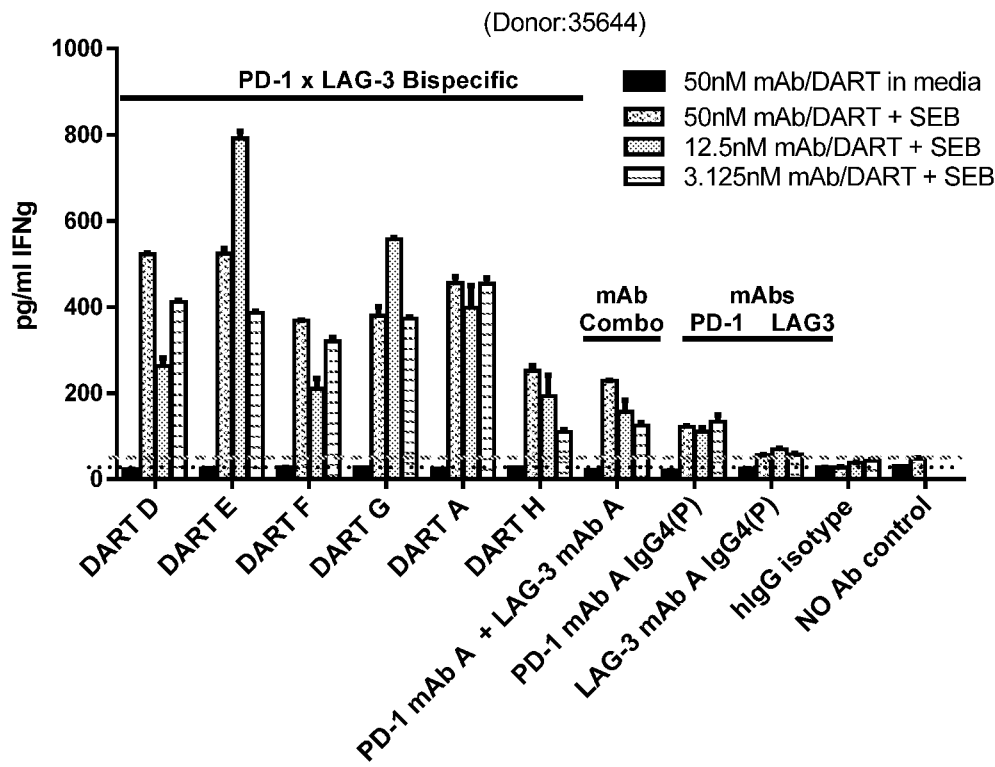


Figure 16A

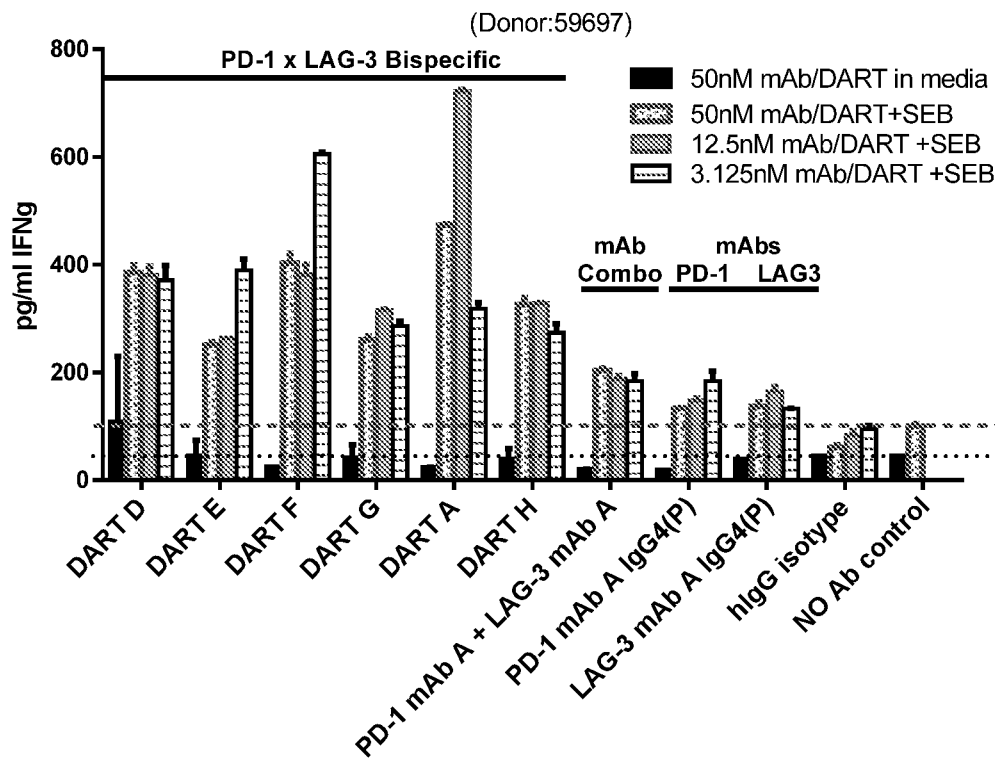


Figure 16B

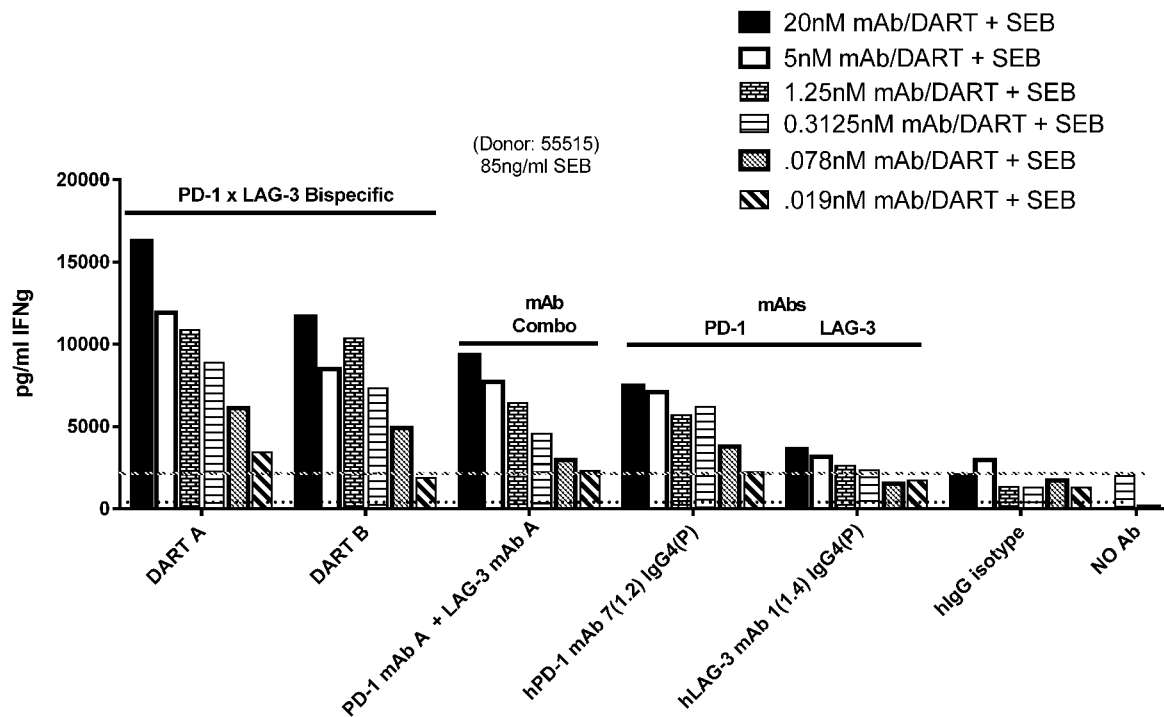


Figure 17A

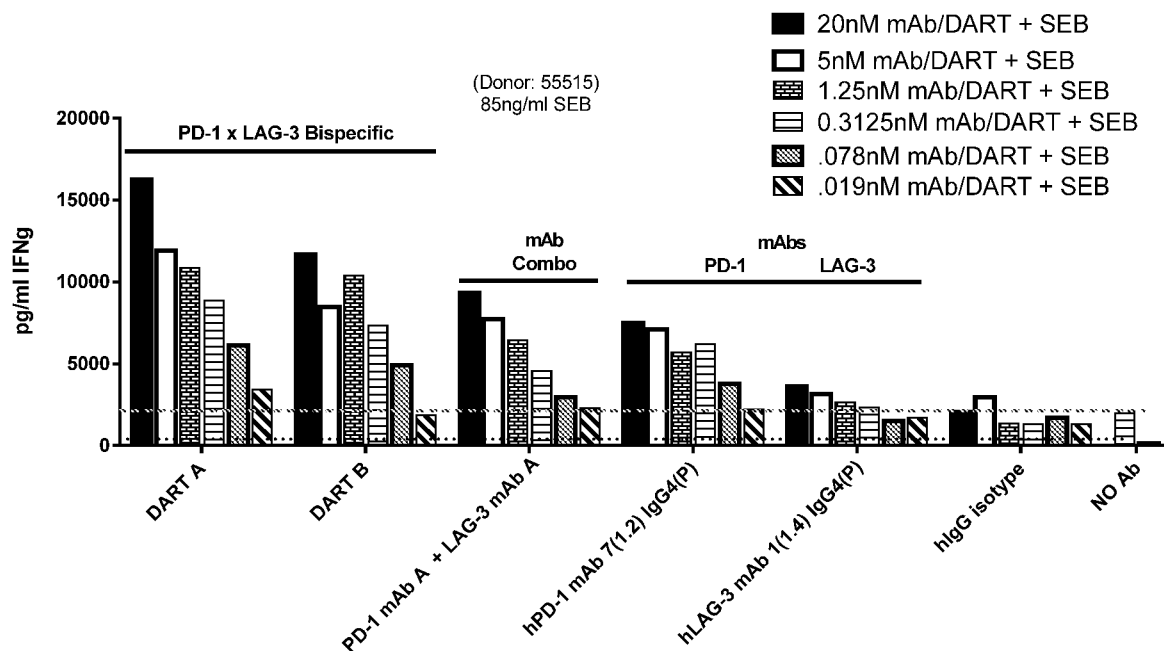


Figure 17B

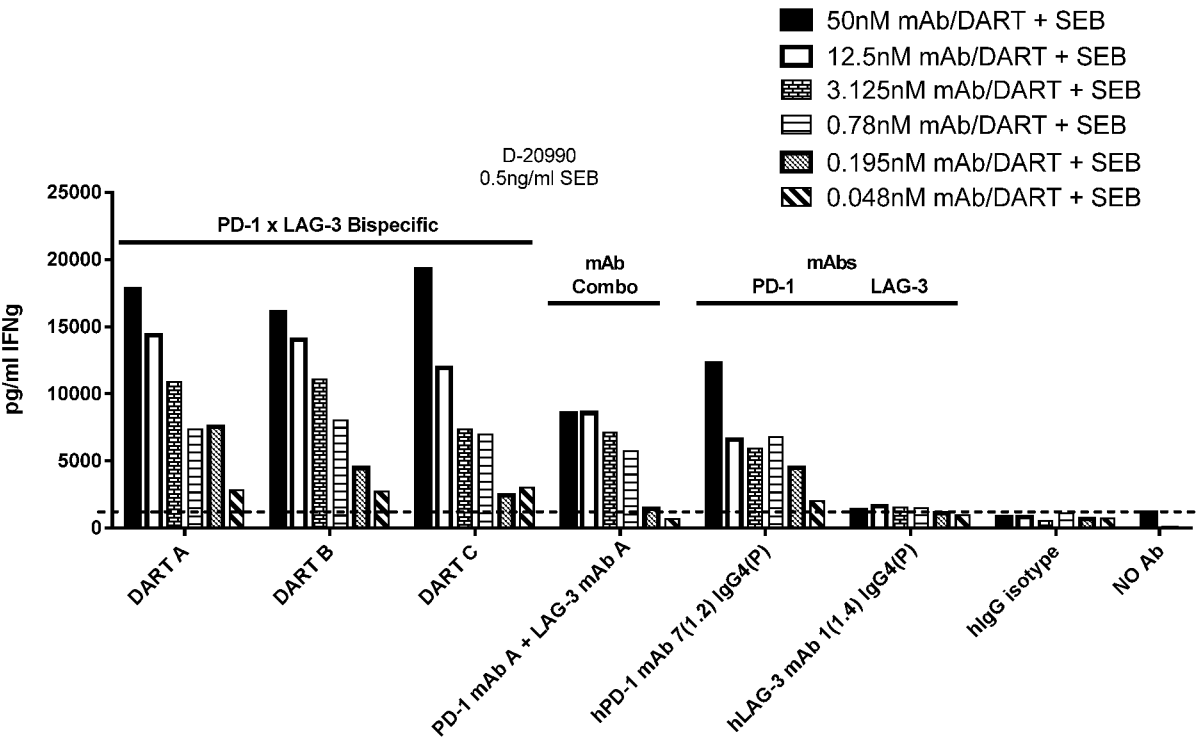


Figure 18A

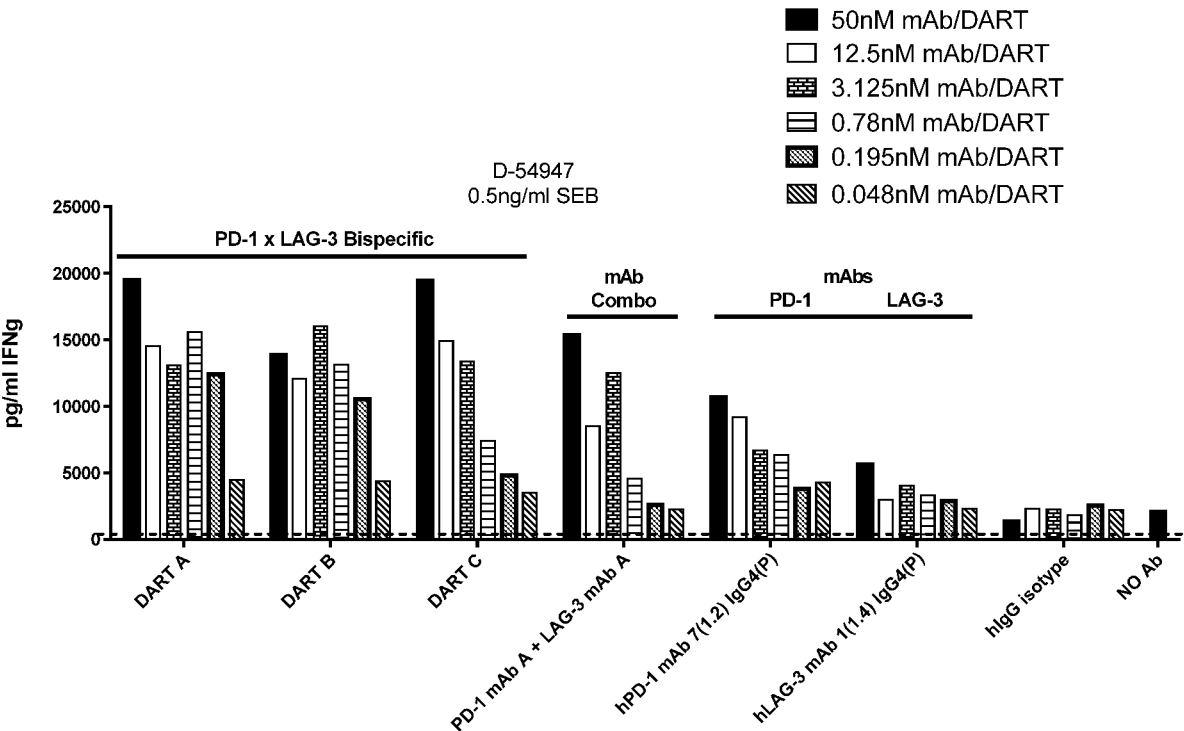


Figure 18B

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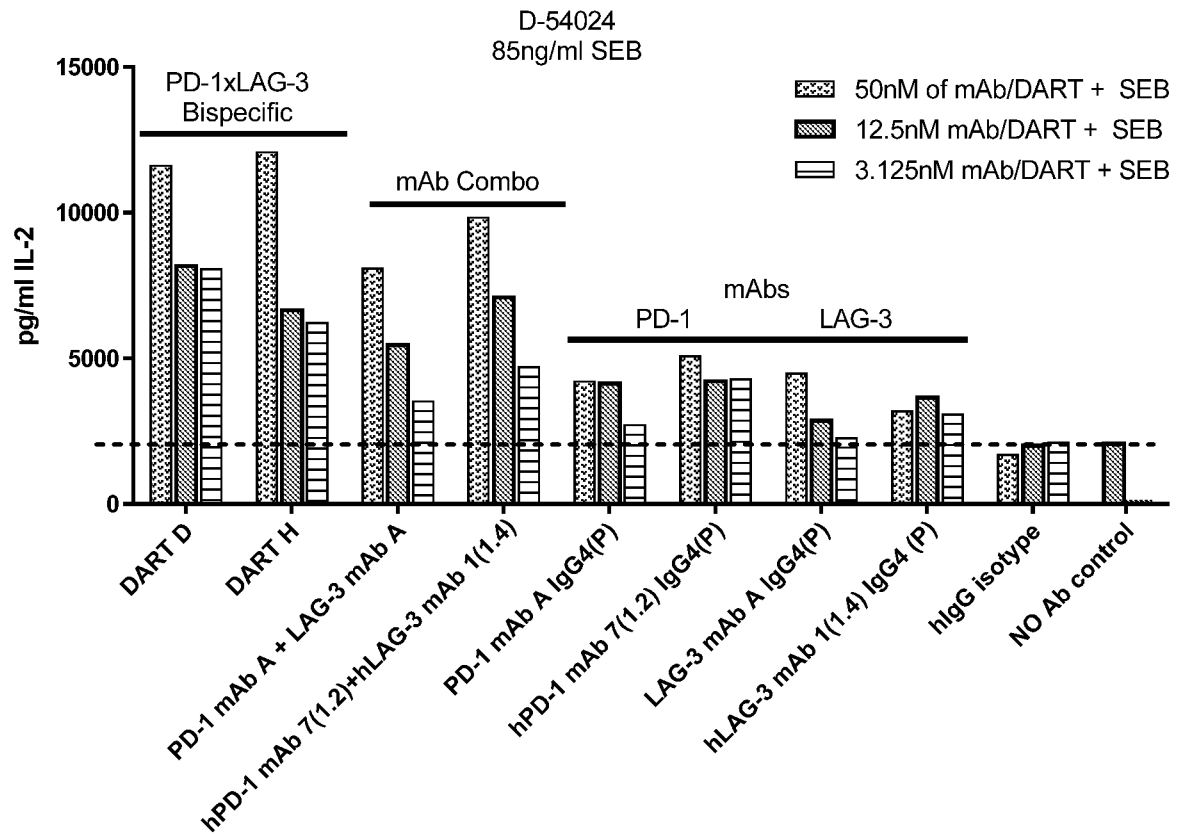


Figure 19

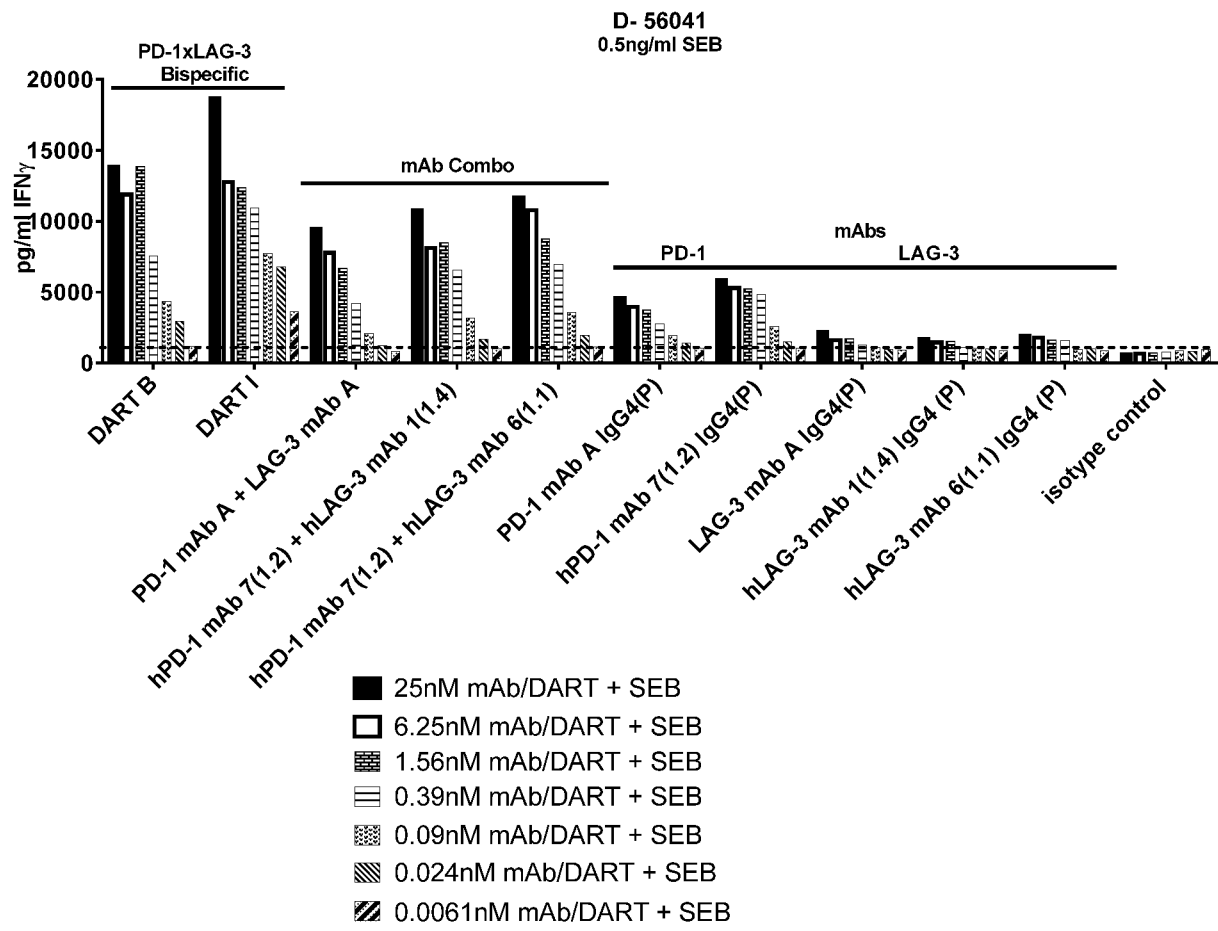


Figure 20

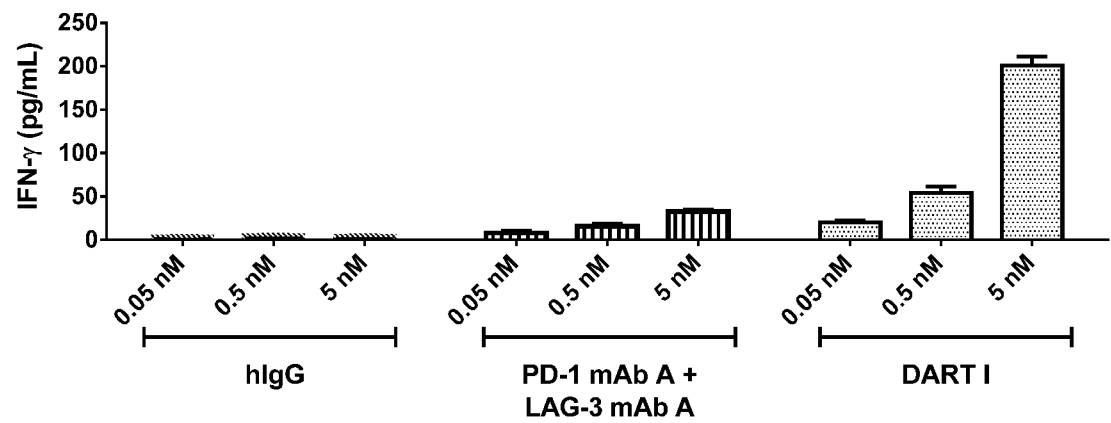


Figure 21A

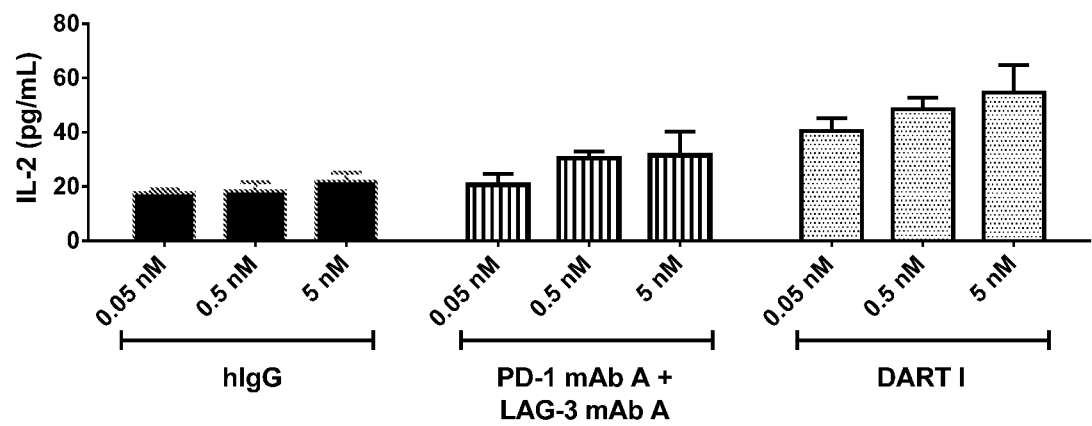


Figure 21B

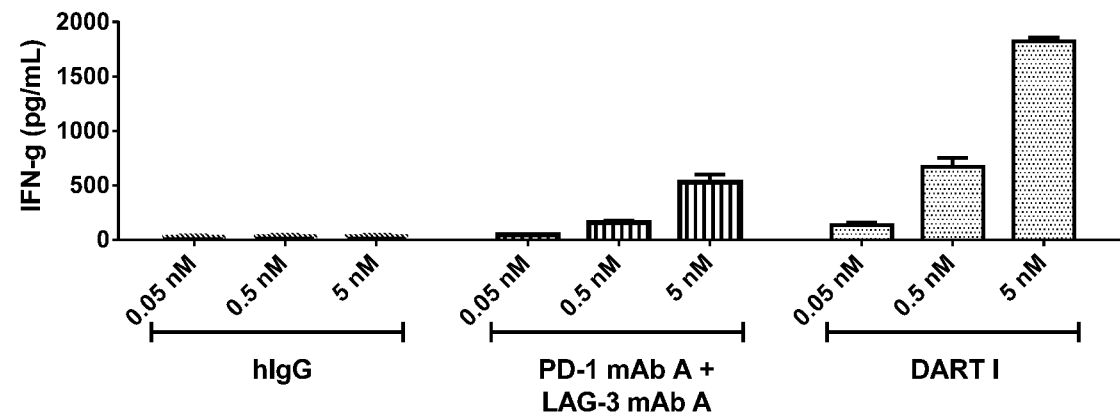


Figure 21C

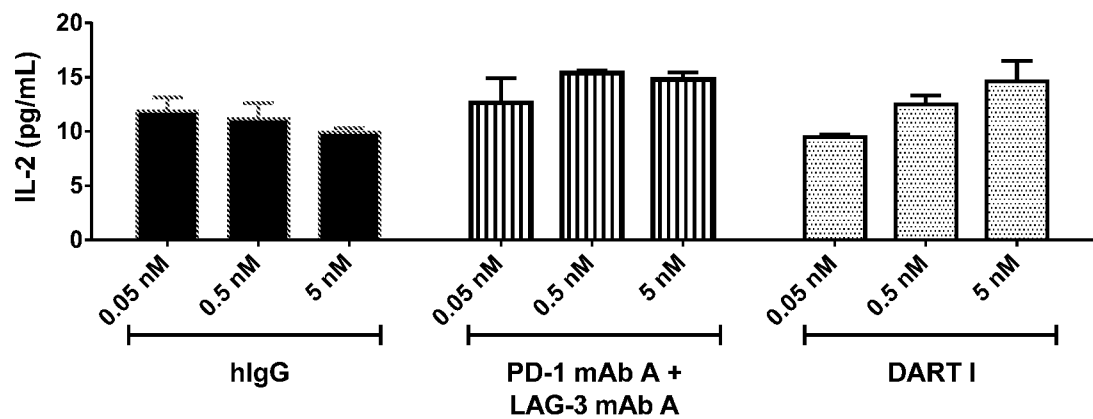
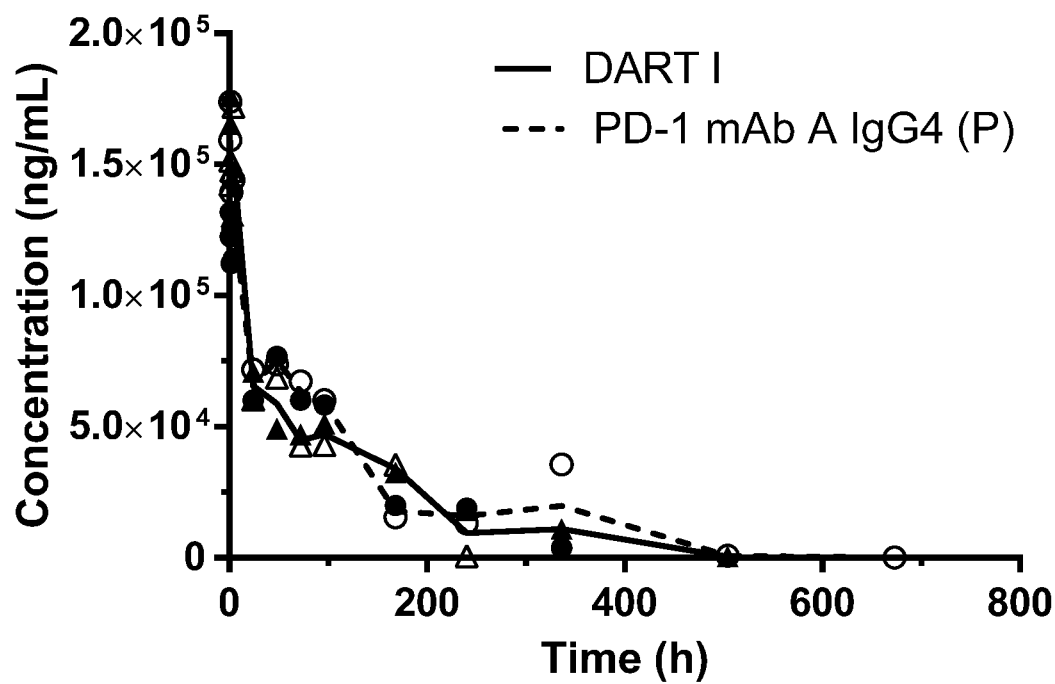


Figure 21D

**Figure 22**

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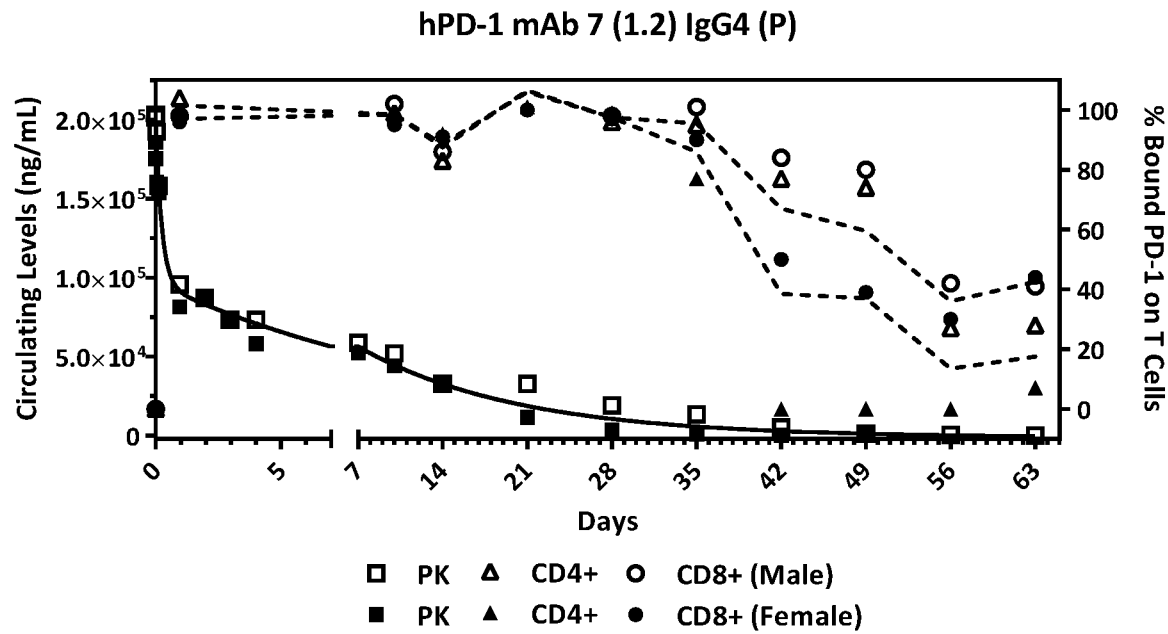


Figure 23A

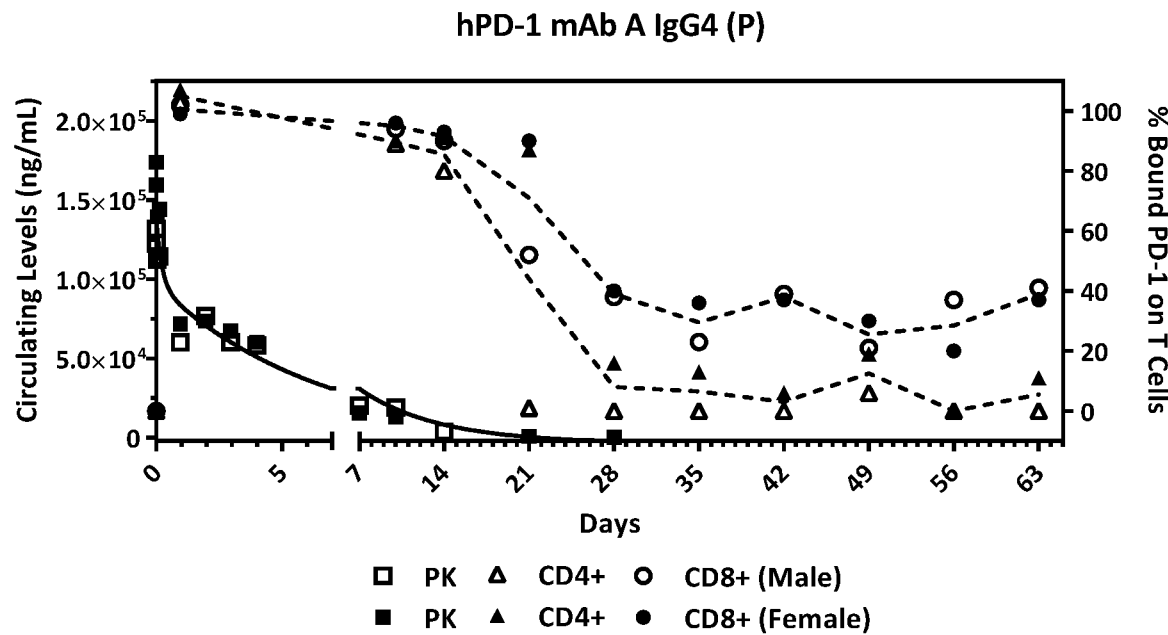


Figure 23B

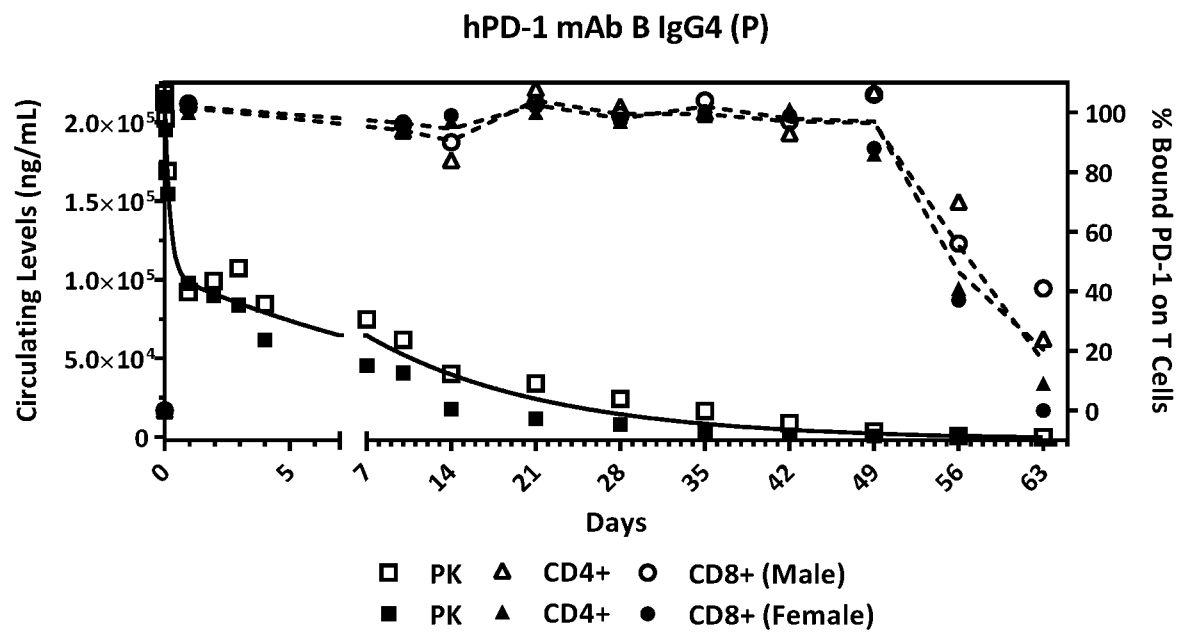


Figure 23C